INITIAL SITE CHARACTERIZATION REPORT UST CLOSURE - NAVAJO GENERATING STATION PAGE, ARIZONA



Prepared by
Salt River Project
Environmental Management Services Department
November 1991

1.0 Location

The Navajo Generating Station (NGS) is a coal fired steam electric generating station located approximately 4-miles southeast of Page, Arizona (Figure 1). The plant site is located on 1,021 acres of land leased from the Navajo Tribe. Aside from the town of Page, Arizona, the region surrounding the plant site is sparsely populated.

2.0 Adjacent Wells

There are no known production wells within a 1 mile radius of the plant site.

3.0 Site Hydrogeology

Three geologic units are exposed in the vicinity of the plant site; dune sands, the Carmel Formation, and the Navajo Sandstone.

3.1 Dune Sands

Localized areas in the plant site contain a thin surface veneer of loose windblown sand deposited on the erosional surface of the Carmel Formation. These deposits consist of unconsolidated red-brown to buff, silty fine to medium quartz sand derived from the Carmel Formation and the Navajo Sandstone. The dune sand deposits range in thickness from 0 to over 20 feet.

3.2 Carmel Formation

The Carmel Formation is present as an erosional remnant resting disconformably on the Navajo Sandstone. The Carmel Formation is exposed in the northern half of the plant site; subsurface boring data indicate it ranges in thickness from 0 to approximately 70 feet in the site.

The Carmel Formation is composed of reddish brown interbedded sandstone, siltstone and claystone. These strata are flat (horizontally bedded) with maximum localized dips of several degrees in varying directions. Major structural features are absent from the Carmel Formation in the plant site.

Sandstone beds in the Carmel Formation range in individual thickness from 6 inches to 20 feet with a predominant average thickness of 3 feet. The sandstone beds are strongly cemented with calcium carbonate, silica, and iron minerals. Layers of massive to thinly laminated siltstone and claystone are interbedded between the

lenticular sandstone beds. These layers generally range in individual thickness from less than one inch to more than 3 feet with an average thickness of one foot.

The Carmel Formation is interpreted as having been deposited in a deltaic environment in Middle Jurassic time. The textural heterogeneity is attributed to deposition in a transitional environment varying between shallow marine and near-shore fluvial conditions.

The Carmel Formation is fine grained texture and well indurated. In place permeability tests conducted in the Carmel Formation indicate coefficients of permeability ranging from negligible to 90 feet per year. Vertical permeability of the Carmel Formation is extremely low, averaging less than one foot per year.

3.3 Navajo Sandstone

The Navajo Sandstone can be observed along the Mesa boundaries at the plant site and in outcrop along Glen Canyon. The Navajo Sandstone is disconformably overlain by the Carmel Formation in the northern part of the plant site with the contact dipping to the north. Deep drilling data at the plant site indicate the total thickness of the Navajo sandstone at the site is in excess of 1,500 feet.

The Navajo Sandstone is composed of uniform fine to medium, white to light brown, friable to moderately well cemented quartz sand. The sandstone is indurated by silica cement and also has minor amounts of iron, calcium carbonate and clay minerals present.

The Navajo Sandstone is highly cross-bedded but weathers to a generally massive appearance in erosional exposures. Depositional features such as the extensive cross-bedding and uniformity of grain size and mineral type indicates an aeolian environment of deposition. Deposition is known to have occurred in the Late Triassic and Early Jurassic.

The Navajo Sandstone comprises the regional aquifer in the plant area, however, due to the extreme depth to groundwater, sparse population, and availability of surface water supplies, the Navajo Sandstone is generally not used as a water supply in the region surrounding NGS. The available data indicate a depth to groundwater in plant site of approximately 900 to 980 feet beneath land surface. The groundwater flow at the plant is to the northwest at a gradient of approximately 40 feet per mile. The following aquifer parameters were developed by the U.S. Bureau of Reclamation based on studies of the Navajo Sandstone in the Lake Powell area: average porosity of 25%, average specific retention of 12%, typical primary permeability of 200 feet per year, and typical secondary permeability of 2,000 feet per year.

4.0 Field Procedures

4.1 General Procedures

Prior to the tank removal, remaining product was removed from the tank and the tank uncovered. The tank was then exposed by excavation and, if required, rendered inert by venting. The tank was pulled from the excavation, visually inspected, rinsed (rinsate was run through a plant oil/water separator), and stored on site. Figure 2 is a generalized facility map indicating the locations of the 13 USTs that were removed. None of the tanks removed showed evidence of a tank failure (e.g. corrosion holes) when observed upon removal. Two of the tanks removed, NGS-7 and NGS-9, were modified and donated to the Page Fire Department for non liquid storage purposes (use in simulated confined space training). The other tanks currently remain on site prior to being rendered inoperable and sold for scrap.

All existing backfill material and some native material surrounding the tank was removed and segregated based on observation. Soils that were observed to be contaminated were separated and remain stored on plastic on site. Non-contaminated soils were used as general fill on site. The tank excavations have been backfilled with coarse aggregate or sand, compacted and capped with 5 feet of compacted aggregate base course (ABC).

4.2 Soil Sampling Procedures

During the tank removal program, soil samples were collected from approximately 2 to 3 feet below each end of the tank. Additional samples may have been collected of potentially contaminated soils based on physical observation of the soils during the excavation process. Grab samples were collected using the excavation equipment and transferred to glass jars, sealed, labeled with the sample identification and preserved by storing in an ice chest with ice. Soil samples were transferred, under chain of custody, to the SRP Environmental Laboratory for analysis.

4.3 Laboratory Analyses

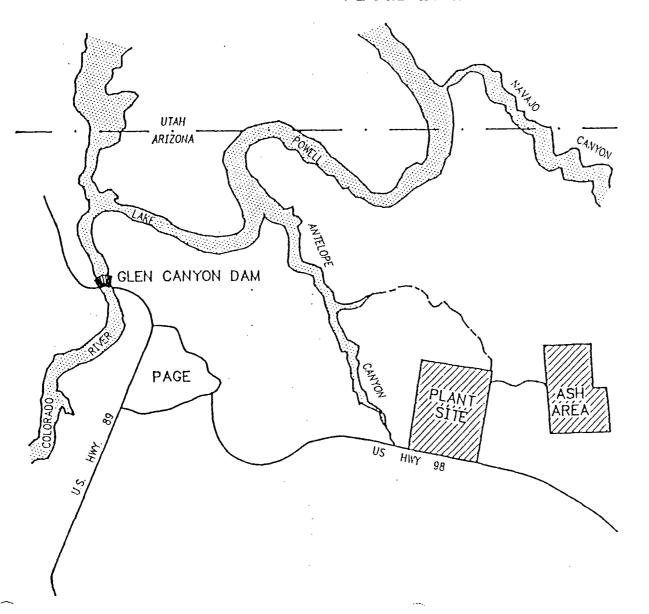
All soil samples collected were submitted for total petroleum hydrocarbon analysis by EPA Method 418.1. Additionally, samples collected from beneath diesel fuel tanks were submitted for fuel fingerprint analysis by EPA Method 8015M and samples collected from beneath waste oil tanks were submitted for volatile organic contaminant analysis by EPA Method 8010/8020. Table 1 is a summary of the soil sample results from the tank removal program.

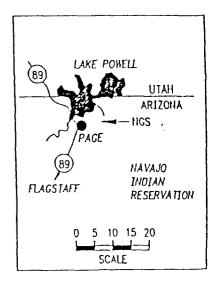
5.0 Tank Reports

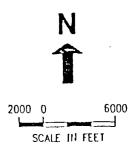
The remainder of the report contains the following information, segregated by tank: the tank release report, a figure depicting the general locations where soil samples were collected, the laboratory certificates of analysis and sample chain of custody, and a tank notification form submitted in compliance with Title 40 of the Code of Regulation, CFR §280.34.(a).(4) notifying EPA of the permanent closure of the tank.

Figures and Tables

FIGURE 1 NAVAJO GENERATING STATION VICINITY MAP

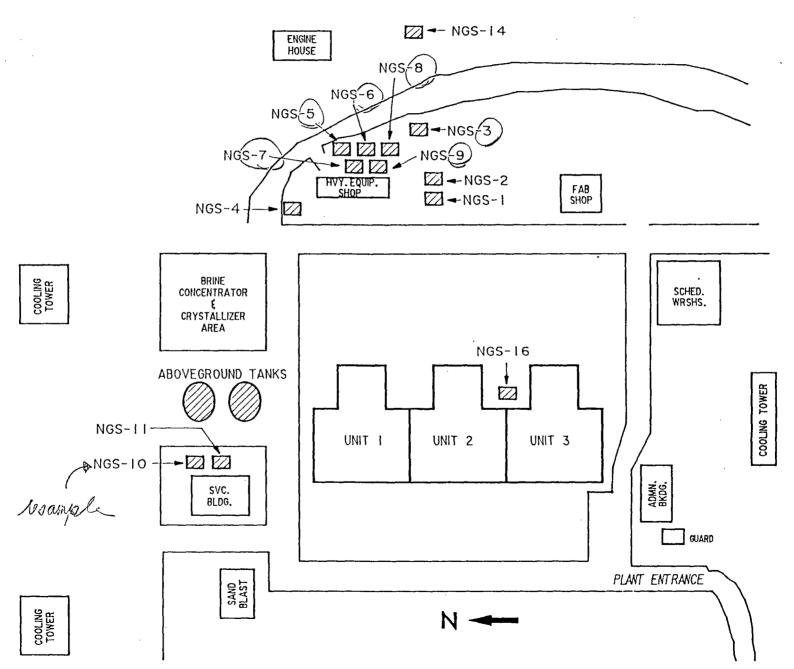






MYTHGSVM

FIGURE 2
FACILITY UNDERGROUND STORAGE TANK LOCATIONS



11/25/91

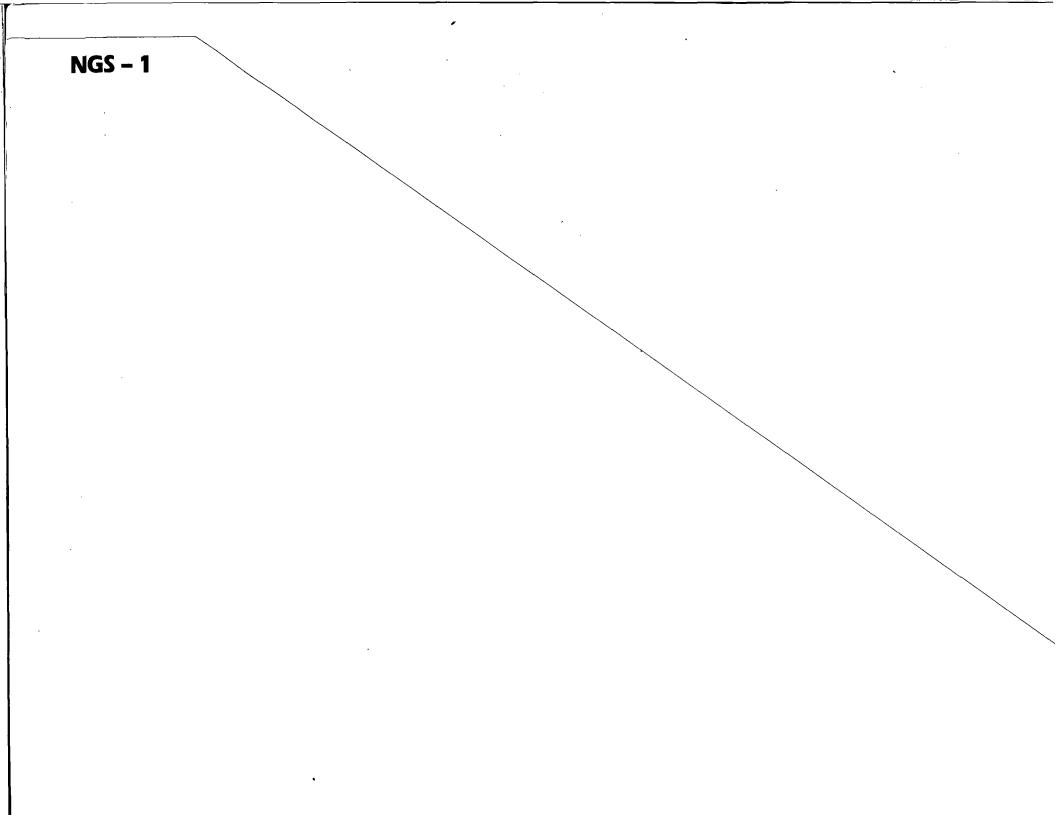
TANK	TANK	TANK	DATE	SAMPLE		SAMPLE RESULTS **		
ID	VOLUME	CONTENTS	REMOVED	IDENTIFIER •	ТРИС	FF ***	voc ••••	
NGS-1	12,000	GAS	10/02/91	N-13	17	' ND	NS	
	{			S-15	(150	180 K	NS	
NGS-2	12,000	DIESEL	10/02/91	N-15	\ 210	300 K	NS	
				S-15	ND	ND	NS	
NGS-3	12,000	DIESEL	09/25/91	È-13	640	870 D	NS	
				E(8)	990	1400 D	NS	
				W (8)	17000	17500 D	NS	
			j	C (8)	5900	3200 D	NS	
	<u> </u>		ļ	SW-ENDWALL(10)	350	ND	NS	
				SW-SIDEWALL (10)	ND	ND	NS	
	-			NW-ENDWALL (10)	ND	ND	NS	
				NW-SIDEWALL (10)	ND	ND	NS .	
NGS-4	5,000	DIESEL	09/05/91	1 (14)	ND	ND	NS	
	,,,,,			2 (14)	ND	ND	NS	
				Special (14)	ND	ND	NS	
NGS-5	6,000	WASTE OIL	09/23/91	S-13	68000	90000 LO		
100 3	,,,,,,		05,22,75	S-16	68000	64000 LO		
				NC-13	76	ND	ND	
NGS-6	5,000	10W OIL	09/23/91	N-12	82	NS	NS	
103-0	3,000	1011 012	05/25/51	S-12	1100	NS	NS	
NGS-7	5,000	30W OIL	09/23/91	N-12	31000	NS	NS	
103-7	3,000	JOW OIL	09/25/91	S-12	20000	NS NS	NS NS	
NGS-8	2,000	30W OIL	09/23/91	E-10	20000	NS NS	NS	
103-6	2,000	30W OIL	09/23/91	W-11	23000	NS	NS NS	
NGS-9	2,000	ANTIFREEZE	09/23/91	E-10	47000	NS NS	NS NS	
103-9	2,000	ANTIFREEZE	09/23/91	W-10	25000	NS NS	NS NS	
100 10	0.500	C45	10/10/01					
IGS-10	8,500	GAS	10/10/91	E-13	NT	NS	NS ARS	
	0.000	111 4 0000 011	104101	W-13	NT	NS NS	N2	
NGS-11	2,000	WASTE OIL	10/11/91	E (13)	ND	NS	ND	
				W (13)	ND	NS	ND	
IGS-14	20,000	DIESEL	09/24/91	N (16)	ND	NT	NS	
				→ N-25	56	ND	NS	
				S (17)	1300	NT	NS	
			.	S-25	64	ND	NS	
				C (16)	מא	ND	NS	
				N (16)	ND	ND	·NS	
IGS-16	2,000	DIESEL	09/12/91	EDG-C (SW-10)	540	530 D	NS	
				EDG-B (NE-10)	380	340 D	NS	
			[EDG-A (C-8)	7900	7100 D	NS	

Sample Location and Depth in Feet Below Grade (N = North; S = South; E = East; W = West)

^{**} All results in mg/kg; ND = Not Detected; NT = Not Tested; NS = Not Sampled

^{***} K = Kerosene; D = Diesel Fuel; LO = Lubricating Oil

TOL = Toluene; O-XYL = Ortho-Xylene; M/P-XYL = Meta/Para-Xylenes; PCE = Tetrachloroethene



Tank Release Report

Facility Name: Navajo Generating Station

Date: November 22, 1991

Location: Page, Arizona

Tank Designation: NGS-1

Contents and Capacity: 12,000 gallon unleaded gasoline

Nature of Release: None.

Regulated Substance Released: Not Applicable.

Ouantity of Release: Not Applicable.

Period of Time Over Which Release Occurred: Not Applicable.

Action Taken (as of Report Date):

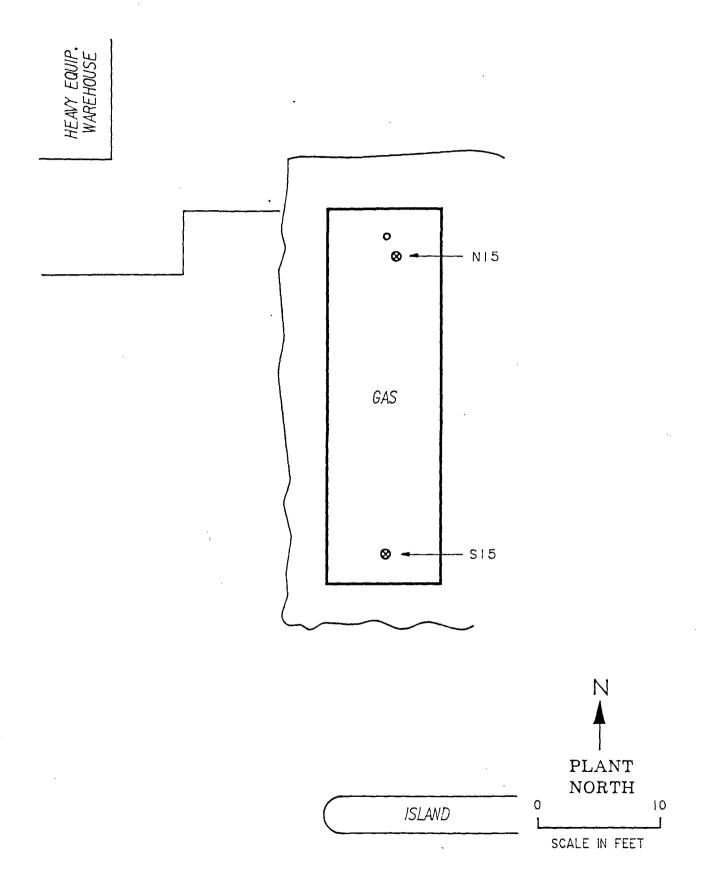
The tank and surrounding soils were excavated and removed on October 2, 1991 and the soils stockpiled on site. During tank removal, soil samples were collected from beneath the north and south ends of the tank at an approximate depth of 15 feet below grade from on top of a sandstone (Carmel Formation). The soil samples were submitted for Total Petroleum Hydrocarbon Analysis (TPHC) by EPA Method 418.1 and for Fuel Fingerprint analyses by EPA Method 8015M. The results of the TPHC analyses came back positive, 17 mg/kg from beneath the north end of the tank and 150 mg/kg from beneath the south end. The results of the fuel fingerprint analyses from the south end of the tank came back positive, 180 ppm kerosene; the results from beneath the north end of the tank were below method detection limits (100 ppm).

The tank was tested tight on November 5, 1987. The line was tested tight on November 7, 1990. No visible signs of tank failure were observed upon tank removal. Based on these factors, it is concluded that the observed soil contamination resulted from minor spillage or overfilling during the operational life of the tank.

Action Anticipated:

None. The tank and potentially contaminated soils surrounding the tank have been removed. As a result of this removal, no further action is necessary.

FIGURE 3 NGS-1



SRP WQ LAB REPORT Page 1 Work Order # 91-10-008 Received: 10/02/91 10/10/91 10:58:29 REPORT SALT RIVER PROJECT PREPARED
TO HILDA MARCHETTI BY BY _____ SRP _____ CERTIFIED BY ATTEN ____ ATTEN PHONE CONTACT MCKINNEY CLIENT SPECIALS SAMPLES 4 COMPANY, SRP FACILITY _____ WORK ID NGS UST REMOVALS TAKEN MICHAEL VODA TRANS N90-48731-02 TYPE 71000 P.O. # _____ INVOICE under separate cover SAMPLE IDENTIFICATION TEST CODES and NAMES used on this workorder 01 NGS-1 N15 FUELFP FUEL FINGERPRINT 02 NGS-1 S15 TPHC TOT PETROLEUM HYDORCARBONS 03 NGS-2 N15 04 NGS-2 S15

Received: 10/02/91

Results by Sample

SAMPLE ID MGS-1 N15 FRACTION 01A TEST CODE FUELFP NAME FUEL FINGERPRINT Date & Time Collected 10/02/91 10:00:00

Category ____

FUEL FINGERPRINT

SAMPLE ID			<u>-1 N15</u> /03/91
MATRIX		10	501L
ANALYST		D.W.MC	
		RESULT	Stinu
GAS	OL INE	BDL	PPM
DIE	SEL	FDL	PPM
FUE	L OIL	BDL	PPM
KER	DSENE	BDL	PPM
LUBRI	CATING OIL	BDL	PPM

BDL=Relow Detection Limit

Detection limit= ______100 ppm

Comments:

Signature Sawal Mofenney

Page 7

SRP WQ LAB

REPORT

Work Drder # 91-10-008

Received: 10/02/91

Results by Sample

SAMPLE ID NBS-1 S15

FRACTION 02A TEST CODE FUELFP NAME FUEL FINGERPRINT Date & Time Collected 10/02/91 10:00:00 Category ____

FUEL FINGERPRINT

SAMPLE ID DATE RUN		6-1 515 0/03/91				
MATRIX ANALYST	D.W.MCKINNEY					
	RESULT	STINU				
GASOL INE	BDL	PPN				
DIESEL	BDL	PPM				
FUEL DIL	BDL	PPN				
KERDSENE	180	PPM				
LUBRICATING OIL	BDL	PPH				

BDL=Relow Detection Limit

Detection limit= 100 ppm

Comments:

Signature David Myenney

SRP

CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona 85072-2025

Salt River Project

ENVIRONMENTAL SERVICES DEPARTMENT
LAB & FIELD SERVICES DIVISION
(602) 236-2609

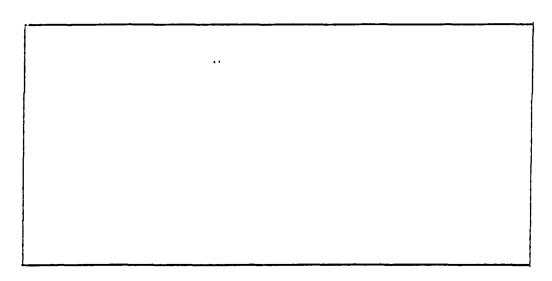
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Project:				,	ge No: 7/000	1 -4		FI	ELD DA	TA		T		AUALTS	is	
Project Manager/Contact: MICHAEC VODA	EMOU	IALS		NITA	6-48731-62	c	FLOU	NO3	TEMP	EC	На	1	12	TI		
Project Manager/Contact:		Phone	: /-	Cost	Center: 3380	0	1	/	• c			*	SEKRIZ.			
MICHAEL VODA		1 3/4		100	380	-{ t	GPM	`		1		14	197		}	
Sampler(s) Signature						i	GPM					10	17		}	
LANGE					;	n e	CFS					12	177		- {	1 1
Sample 1D	Colle	e Time	ed Mati	rix	Lab ID No.	r s						K	13			
NGS-1 NIS	71	77 1000	, <	h 2∩	91-10-08	1							/	TT		
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NGS-1 515					ړه							-	1			
	1/		.													
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Relinquished By: (signature)	Date	Time Re	ceived By:	: (sign	nature)		Date	Tin	ne			`				

Notification for Underground Storage T	anks	STATE USE ONLY	<u>′</u>			
Siste Agency Name and Address	TAT THE	ID NUMBER				
ARIZONA DEPARIMENT OF ENVIRONMENTAL QUARTER OF NOTIFICATION	UALLTY	DATE RECEIVED				
	E C CLOCURE	A. Date Entered Into Computer				
☐ A. NEW FACILITY ☑ B. AMENDED	☑ C. CLOSURE	B. Data Entry Clerk Initials				
	ation sheets attached	C. Owner Was Contacted to Clarify Responses. Comments				
INSTRUCTIONS		Clarity Hesponses. Comments				
Please type or print in ink all items except "signature" must be completed for each location containing undergr more than five (5) tanks are owned at this location, phot sheets, and staple continuation sheets to the form.	ound storage tanks. If					
GENE	RAL INFORMATI	ON				
Notification is required by Federal law for all underground tanks have been used to store regulated substances since January 1, 198 are in the ground as of May 8, 1986, or that are brought into use after 1985. The information requested is required by Section 9002 of the I Conservation and Recovery Act, (RCRA), as amended. The primary purpose of this notification program is to locate and evaluated underground tanks that store or have stored petroleum or hazardous subtitions as expected that the information you provide will be based on reasonable available records, or in the absence of such records, your knowledge, be recollection. Who Must Notify? Section 9002 of RCRA, as amended, requires the exempted, owners of underground tanks that store regulated substances notify designated State or local agencies of the existence of their tanks. Comeans— a) in the case of an underground storage tank in use on November 8 brought into use after that date, any person who owns an underground stank used for the storage, use, or dispensing of regulated substances, and b) in the case of any underground storage tank in use before November 1984, but no longer is use on that date, any person who owned such tank immediately before the discontinuation of its use. c) if the State agency so requires, any facility that has undergone any to facility information or tank system status. What Tanks Are included? Underground storage tank is defined as or combination of tanks that (1) is used to contain an accumulation of "resubstances," and (2) whose volume (including connected underground tank 1. Gasoline, used oil, or diesel fuel, and 2, industrial solvents, pesticides, herbicides or fumigants. What Tanks Are Excluded? Other tanks excluded from notification are: 1. farm or residential tanks of 1,100 galions or less capacity used for motor fuel for noncommercial purposes; 2. tanks used for storing heating oil for consumptive use on the premium residential tanks;	4, that Pipeline Satet which is an init san init san init san init sances. It is stances which is a stance shy 9, storage while it is initial stance of the at, unless must ground storage substance del Environmenta orage in the exception RCRA. It also liquid at stand and 14.7 pour k where To AZ Depending is storing: any one guiated when To been taken out by May 8, 1988,	facilities (including gathering lines) regulated uny Act of 1968, or the Hazardous Liquid Pipeline irrastate pipeline facility regulated under State lav impoundments, pits, ponds, or lagoons; rater or waste water collection systems; ough process tanks; aps or associated gathering lines directly related digathering operations; tanks situated in an underground area (such as drift, shaft, or tunnel) if the storage tank is situated floor. Patances Are Covered? The notification requires e tanks that contain regulated substances. This interest as hazardous in section 101 (14) of the Cot I Response, Compensation and Liability Act of 1 of those substances regulated as hazardous was includes petroleum, e.g., crude oil or any fractionard conditions of temperature and pressure (60 of this per square inch absolute). Notity? Send completed forms to: Therit of Environmental Quentral Avenue, Room 300, Arizona 85004 Notity? 1. Owners of underground storage tanks of operation after January 1, 1974, but still in the content of any amendments to facility send information of any amendments to facility send information of any amendments to facility send informations in notify or shall be subject to a civil penalty not to exceed in notification is not given or for which false in the facility of the subject to a civil penalty not to exceed in notification is not given or for which false in the content of the subject to a civil penalty not to exceed in notification is not given or for which false in the content of the subject to a civil penalty not to exceed in notification is not given or for which false in the content of the subject to a civil penalty not to exceed in notification is not given or for which false in the content of the	Safety Act of 1979, or vs; I to oil or gas a basement, cellar, e upon or above the ments apply to under includes any mprehensive 980 (CERCLA), with ste under Subtitle C on thereof which is degrees Fahrenneit CLALITY Is in use or that have the ground, must notify his into use after May se. 3. If the State ation to State agency submits false ed \$10,000 for each			
I. OWNERSHIP OF TANK(S)		II. LOCATION OF TANK(S)				
Owner Name (Corporation, Individual Public Apency, or Other Entity) Salt River Project Street Adoress P. O. Box 52025	Nava Street Address (F	(if same as Section: Tan bor here _) Company Site Identifier, as applicable jo Generating Station To Bor not acceptable) les East of Page, AZ	1			
City State ZiP Cook Phoenix AZ 85072	—— Carry Pag	State AZ	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
County Maricopa		Onino Municipality				
Prone Number (moude Area Cooe) (602) 236-5900	Give the geographic	location of tanks if required by State by degrees, minutes, and section 40N 09E Sec. 5	conos Examples Lat 42 36			

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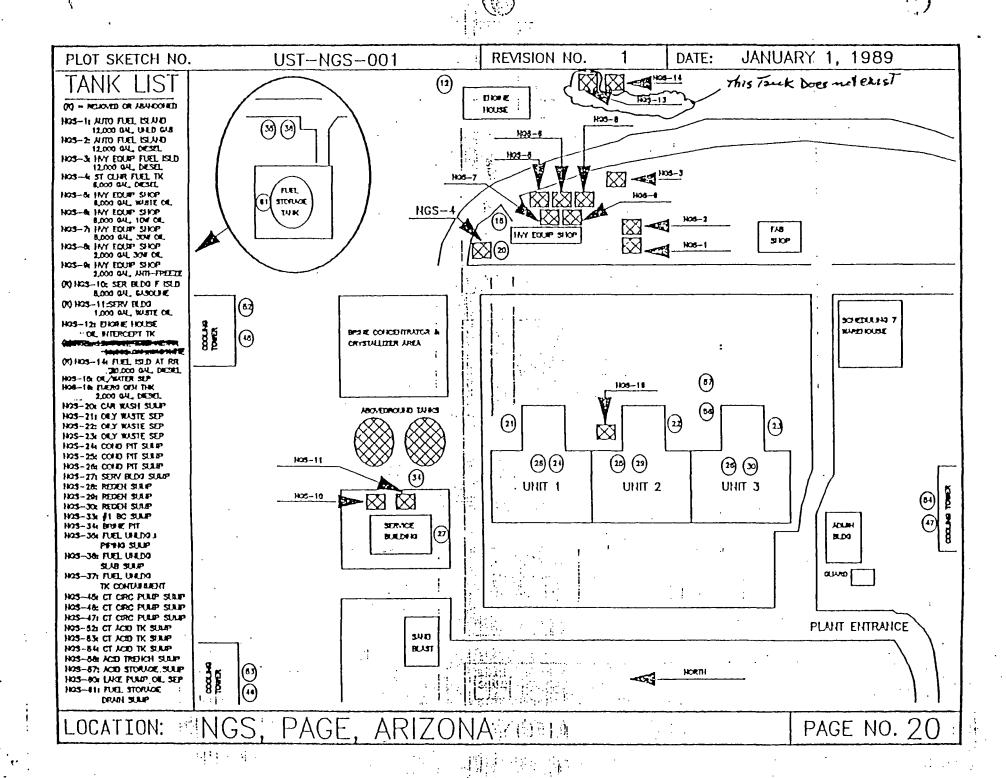
NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHLET

1.	Draw a facility map iden	tifying the 1	tanks and assoc	iated piping,
	include major structures	(buildings,	roads, etc.).	Indicate North on
	your drawing.			



2.	Do you have any additional comments? All Truks (457) have been
	removed AT This Facility -
	NES-13 was reported but did not exist - NES-14 bounce
	To be a 20,000 gallon instead of 10,000 gallon

ADEQ/UST Supp.



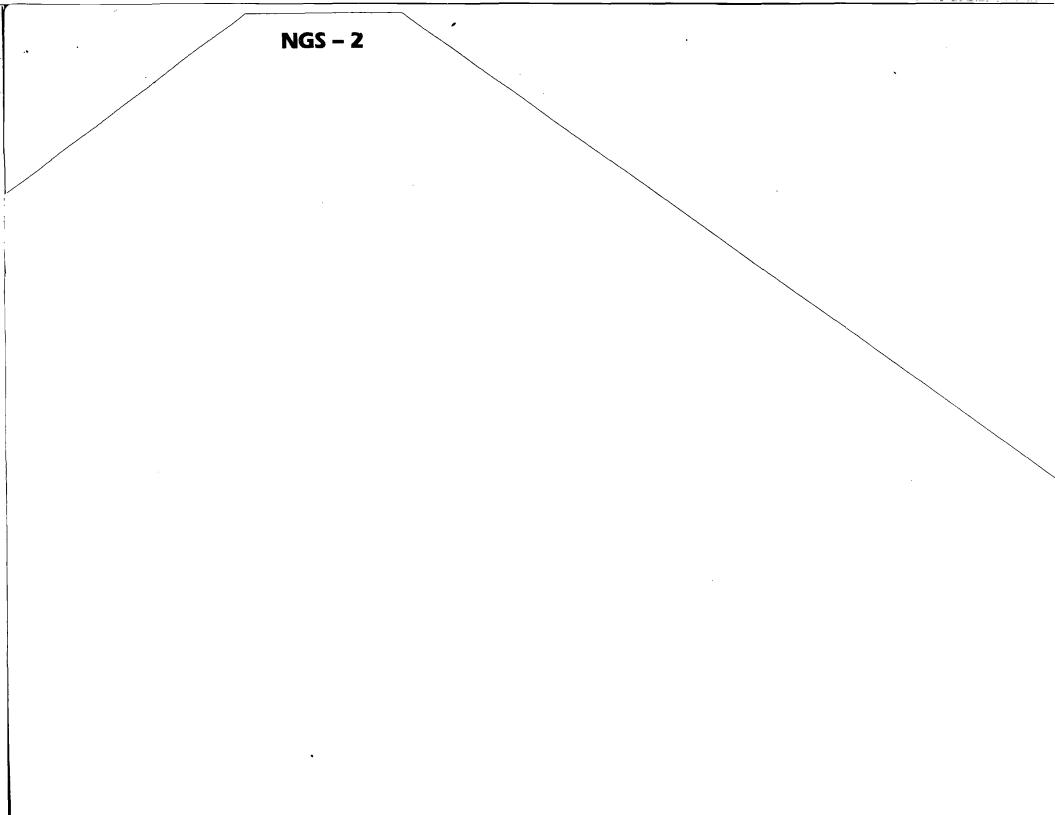
III. TYPE OF OWNER	IV. INDIAN LANDS						
☐ Federal Gov't. ☐ Com ☐ State Government ☐ Priva ☐ Local Government	Reservation or or	d on land within an n other trust lands. I by native America	⅓	Tribe or Nation: Navajo			
		V. TYPE OF FA	 				
		V. 117 2 01 17	OLLIT				
Select the Appropriate Facility Description				,			
Gas Station		Local Governme	ent	Contra	actor		
Petroleum Distributor		State Governme	ent	Trucki	ng/Transport		
Air Taxi (Airline)		_ Federal - Non-N	f ilitary	_x_ Utilitie	s		
Aircraft Owner		Federal - Militar	у	Reside	ential		
Auto Dealership		Commercial		Farm			
Railroad		Industrial		Other	(Explain)		
	VI. CONTA	ACT PERSON IN	CHARGE OF TAN	KS			
Name Job Title		Address		Phor	ne Number (Include Area Code)		
Greq Benjamin Supervi		Nava ngineering FINANCIAL RESI		ing Stat:	ion (602) 645-881		
		ncial responsibility 0 CFR Subpart H	requirements in				
Check All that Apply Self Insurance Commercial Insurance Risk Retention Group		Guarantee Surety Bond Letter of Credit		Tr	ate Funds ust Fund her Method Allowed Specify		
VIII. CE	RTIFICATIO	ON (Read and sign	after completing	all sections)			
I certify under penalty of law that I have pe documents, and that based on my inquiry of submitted information is true,accurate, and	of those ind	amined and am fa lividuals immediate	miliar with the infor	mation submit obtaining the ii	ted in this and all attached in this and all attached information, I believe that the		
Name and official title of owner or owner's authorized representative (Print	Signat)	ture Suga	Llav	y	Date Signed		
EPA estimates public reporting burden for gathering and maintaining the data needed Chief, Information Policy Branch PM-223, "Attention Desk Officer for EPA." This form editions of this notification form may be use	d and compl U.S. Environ amends th	leting and reviewir nmental Protection ne previous notifica	ng the form. Send on Agency, 401 M S	comments rega treet, Washing	or reviewing instructions, arding this burden estimate to grow D.C. 20460, marked		

(

IX. DESCRIPTION OF UND	ERGROUND STO	PRAGE TANKS (C	omplete for each t	ank at this location	1.)
Tank Identification Number	Tank NoNGS1	Tank No NGS2	Tank No.NGS3	Tank No. NGS	Tank No.NGS5
Status of Tank (mark only one) Currently in Use Temporarily Out of Use					
Permanently Out of Use	x	x	x	х	x
Amendment of Information					
2. Date of Installation	1978	1978	1978	1978	1978
3. Estimated Total Capacity (gallons)	12,000	12,000	12,000	5,000	6,000
Material of Construction (Mark all that apply)	••				
Asphault Coated or Bare Steel	×	x	x	x	x
Cathodiacally Protected Steel	×	x	x	x	x
Epoxy Coated Steel					
Composite (Steel with Fiberglass)					
Fiberglass Reinforced Plastic					
Lined Interior					
Double Walled					
Polyethylene Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, Please Specify					
Has tank been repaired?	No	No	No	No	No
5. Piping (Material) (Mark all that apply) Bare Steel					
Galvanized Steel					i
Fiberglass Reinforced Plastic					
Copper					
Cathodically Protected	x	х	x	х	х
Double Walled					
Secondary Containment					
Unknown					
Other, Please Specify		Wrapped	Wrapped	Wrapped	Wrapped Steel
6. Piping (Type) (Mark all that apply)	Steel	Steel	Steel	Steel	
Suction: no valve at tank					
Suction: valve at tank					
Pressure	х	Х	Х	х	
Gravity Fed					x
Has piping been repaired?				1	

Tank Identification Number	Tank No. GS1	Tank NoNGS2	Tank No. NGS3	Tank NoNGS4	Tank No. NGS
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please Specify	X	x	x	x	x
Hazardous Substance CERCLA name and/or, CAS number					
Mixture of Substances Please Specify					
X	. TANKS OUT OF L	JSE, OR CHANGE	IN SERVICE		
Closing of Tank A. Estimated date last used (mo./day/year)	10/1/91	10/1/91	9/24/91	9/2/90	9/22/51
B. Estimate date tank closed (mo./day/year)	10/2/91	10/2/81	9/25/91	9/4/91	9/23/91
C. Tank was removed from ground D. Tank was closed in ground E. Tank filled with inert material Describe			X		
F. Change in service					
2. Site Assessment Completed	x	x	IN Progress		in Progress
Evidence of a leak detected	No	No	No	No	No

XI.CERTIFICATION OF COMPLIA	NCE (COMPLETE	FOR ALL NEW A	ND UPGRADED 1	TANKS AT THIS L	OCATION)
Tank Identification Number	Tank No. NGS	Tank No. NGS 2	Tank No GS3	Tank No 1954	Tank No. NGS 5
Installation A. Installer certified by tank and					
piping manufacturers					
 B. Installer certified or licensed by the implementing agency 					
C. Installation inspected by a registered engineer	x	х	х	x	x
 D. Installation inspected and approved by implementing agency 					
E. Manufacturer's installation check- lists have been completed					
F. Another method allowed by State agency. Please specify.					
Release Detection (Mark all that apply)	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING
A. Manual tank gauging	x	x	x	x	
B. Tank tightness testing	x	x	x	x	
C. Inventory controls	x	x	x	x	
D. Automatic tank gauging					
E. Vapor monitoring					
F. Groundwater monitoring					
 G. Interstitial monitoring double walled tank/piping 					
 H. Interstitial monitoring/secondary containment 					
I. Automatic line leak detectors	x	x	x	<u>x</u>	
J. Line tightness testing					
K. Other method allowed by Implementing Agency. Please Specify.	x	<u>x</u>	x	<u>x</u>	
3. Spill and Overfill Protection					
A. Overfill device installed					
B. Spill device installed					
OATH: I certify the the information concernin	g installation that is	s provided in section	on X is true to the	best of my belief a	nd knowledge. $1/(22/5)$
Name	us. Africa	SEQUESE	ignature 7	Ranin Pa	Date
m ANAGER - TANKS + H Position	VAC 15ESTON .	>5 ~01(S)	sall	Company	get _
* For upgrade only					



Tank Release Report

Facility Name: Navajo Generating Station

Date: November 22, 1991

Location: Page, Arizona

Tank Designation: NGS-2

Contents and Capacity: 12,000 gallon diesel fuel

Nature of Release: None.

Regulated Substance Released: Not Applicable.

Ouantity of Release: Not Applicable.

Period of Time Over Which Release Occurred: Not Applicable.

Action Taken (as of Report Date):

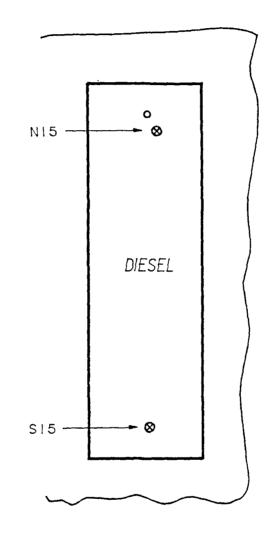
The tank and surrounding soils were excavated and removed on October 2, 1991 and the soils stockpiled on site. During tank removal, soil samples were collected from beneath the north and south ends of the tank at an approximate depth of 15 feet below grade from on top of a sandstone (Carmel Formation). The soil samples were submitted for TPHC by EPA Method 418.1 and Fuel Fingerprint analyses by EPA Method 8015M. The results of the TPHC analyses came back positive, 210 mg/kg from beneath the north end of the tank and below method detection levels (15 mg/kg) from beneath the south end. The results of the fuel fingerprint analyses indicated the presence 300 ppm kerosene beneath the north end of the tank; the results from beneath the south end of the tank were below method detection limits (100 ppm).

The tank was tested tight on November 3, 1987. The line was tested tight on November 7, 1990. No visible signs of tank failure were observed upon tank removal. Based on these factors, it is concluded that the observed soil contamination resulted from minor spillage or overfilling during the operational life of the tank.

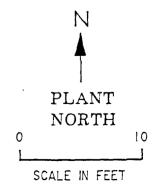
Action Anticipated:

None. The tank and potentially contaminated soils surrounding the tank have been removed. As a result of this removal, no further action is necessary.

FIGURE 4 NGS-2







SRP NO LAB REPORT Nork Order # 91-10-008 Page 1 10/10/91 10:58:29 Received: 10/02/91 REPORT SALT RIVER PROJECT PREPARED TO HILDA MARCHETTI BY SRF CERTIFIED BY ATTEN ____ ATTEN _____ CONTACT MCKINNEY CLIENT SPECIALS SAMPLES 4 COMPANY SRP FACILITY ___ __ HORK ID NGS UST REMOVALS TAKEN MICHAEL VODA TRANS N90-48731-02 TYPE 71000 P.D. # _____ INVOICE under separate cover SAMPLE IDENTIFICATION TEST CODES and NAMES used on this workorder 01 NGS-1 N15 FUELFP FUEL FINGERPRINT 02 NG5-1 S15 TPHC TOT PETROLEUM HYDORCARBONS 03 NGS-2 N15 04 NGS-2 S15

Page 8 Received: 10/02/91 SRP WO LAB

REPORT

Work Order # 91-10-008

Results by Sample

SAMPLE ID <u>NG</u>			FRACTIONS Collected	 10:00:00	Category	
TPHC :	210 VKG					

REPORT

Work Order # 91-10-008

Received: 10/02/91

Results by Sample

SAMPLE	10	NGS-2 N15	FRACTION
--------	----	-----------	----------

FRACTION <u>Q3A</u> TEST CODE <u>FUELFP</u> NAME <u>FUEL FINGERPRINT</u>

Date & Time Collected <u>10/02/91 10:00:00</u> Category

FUEL FINGERPRINT

SAMPLE ID	N69	6-2 N15
DATE RUN	10	0/03/91
MATRIX		SOIL
ANALYST	D.W.MC	KINNEY
	RESULT	צדואט
GASOL INE	BDL	PPM
DIESEL	RDL	PPM
FUEL OIL	BDL	PPN
KEROSENE	300	PPM
LUBRICATING DIL	BDL	PPM

RDL=Below Detection Limit

Detection limit= 100 ppm

Comments:

Signature David Molenney

.

Page 10 Received: 10/02/91 SRP NG LAB

REPORT

Work Order # 91-10-008

Results by Sample

SAMFLE I	D NGS-2 S15	SAMPLE # 04 FRACTIONS: A
		Date & Time Collected 10/02/91 10:00:00 Category
TPHC	-15 M6/K6	

Results by Sample

SAMPLE ID NGS-2 S15

FRACTION <u>04A</u> TEST CODE <u>FUELFP</u> NAME <u>FUEL FINGERPRINT</u>

Date & Time Collected <u>10/02/91 10:00:00</u> Category

FUEL FINGERPRINT

SAMPLE ID DATE RUN MATRIX ANALYST		10	-2 S15 /03/91 SOIL KINNEY
		RESULT	UNITS
GAS	OL I NE	BDL	PPM
DIE	SEL	BDL	PPK
FUE	L OIL	BDL	PPX
KER	DSENE	BDL	PPM
LUBRI	CATING DIL	BDL	PPH

BDL=Below Detection Limit

Detection limit= 100 ppm

Comments:

Signature Savid Myuney

SRP

Salt River Project

CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona 85072-2025 ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

										, age	or	
Project:				ge No: 71000	0.6		FIEL	DATA	7	AMALTSI	s	
NGS - USTI	ZEMONA	حح	1194	b-4872-62	c	FLOW	NO3 1	EMP EC P	KA 16EK Ru			Ī
Project Manager/Contact: Vas.4		Phone:	Cost	Center: 3 380	0 1	1.00	/	c pr	KA KA			
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Sampler(s) Signature					i	GPM			1/1/4			
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Relinquished by (signature)		Time Rece	ived By: (sign	nature)		Date 10/2/91	Time	Remarks:	····		,	
Relinquished By: (signature)	26277/ 3 Date		ived By: (sign	CRINCUL lature)		Date	1/5/30 Time		X-7 -	TPHO		
								- FILKAC	_ (, , , ,		
Relinquished By: (signature)	Date	lime Rece	ived By: (sign	ature)		Date	Time					

Notification for Undergo	ound Storage Tanks		STATE USE ONLY
Suite Agency Name and Address ARIZONA DEPARIMENT OF E	ID NUMBER		
	OF NOTIFICATION	<u> </u>	DATE RECEIVED
		01.001105	A. Date Entered Into Computer
		CLOSURE	B. Data Entry Clerk Initials
No. of tanks at facility	No. of continuation shee	ts attached	C. Owner Was Contacted to
<u> </u>	ISTRUCTIONS		Clarify Responses. Comments
Please type or print in ink all its must be completed for each locat more than five (5) tanks are owne sheets, and staple continuation staple.	d at this location, photocopy the	ige tanks. If	
	GENERAL IN	IFORMATIC	ON
are in the ground as of May 8, 1986, or the 1986. The Intermation requested is require Conservation and Recovery Act, (RCRA), The primary purpose of this notification punderground tanks that store or have stored it is expected that the information you provide available records, or in the absence of such recollection. Who Must Notity? Section 9002 of RCF exempted, owners of underground tanks that notify designated State or local agencies of the means— a) in the case of an underground storage prought into use after that date, any person is tank used for the storage, use, or dispensing b) in the case of any underground storage 1984, but no longer is use on that date, any mimediately before the discontinuation of its c) if the State agency so requires, any faio facility information or tank system status. What Tanks Are Included? Underground combination of tanks that (1) is used to consultances, and (2) whose volume (including 10% or more beneath the ground. Some exait, Gasoline, used oil, or diesel fuel, and 2, inherbicides or furnigants. What Tanks Are Excluded? Other tanks excluded from no 1, farm or residential tanks of 1,100 galic motor fuel for noncommercial purposes; 2, tanks used for storing heating oil for contents of tanks: I. OWNERSHIP (1)	as amended. rogram is to locate and evaluate petroleum or hazardous substances, e will be based on reasonably records, your knowledge, belief, or A, as amended, requires that, unless a store regulated substances must be existence of their tanks. Owner tank in use on November 8, 1984, or who owns an underground storage of regulated substances, and e tank in use before November 8, berson who owned such tank use. Sitility that has undergone any changes of storage tank is defined as any one main an accumulation of "regulated g connected underground piping) is imples are underground tanks storing: dustnal solvents, pesticides, ification are: Insight promises and the premises on sumptive use on the premises	6. storm wi 7. flow-thro 8. liquid tra production and 9. storage mineworking, of surface of the lighter ground storage substance delighter Environmental the exception of RCRA. It also is liquid at standa and 14.7 pount Where To AZ Depart 2005 N. Phoenix, When To It been taken out by May 8. 1986. 1986. must is requires notifical immediately.	impoundments, pits, ponds, or lagoons; later or waste water collection systems; ough process tanks; and or associated gathering lines directly related to oil or gas digathering operations; tanks situated in an underground area (such as a basement, drift, shaft, or tunnel) if the storage tank is situate upon or aborition. Interest Are Covered? The notification requirements apply to the tanks that contain regulated substances. This includes any lined as hazardous in section 101 (14) of the Comprehensive of Response, Compensation and Liability Act of 1980 (CERCL) of those substances regulated as hazardous waste under subtaincludes petroleum, e.g., crude oil or any fraction thereof which and conditions of temperature and pressure (60 degrees Fahrinds per square inch absolute). In Notity? Send completed forms to: Them to of Environmental Quality Central Avenue, Room 300 Anizona 85004 Notity? 1. Owners of underground storage tanks in use or that of operation after January 1, 1974, but still in the ground, must of operation after January 1, 1974, but still in the ground, must of operation after January 1, 1974, but still in the ground, must of operation after January 1, 1974, but still in the ground in office 2. Owners who bring underground storage tanks into use a notify within 30 days of bringing the tanks into use, 3. If the Sication of any amendments to facility seno information to State Any owner who knowingly fails to notify or submits false thall be subject to a civil penalty not to exceed \$10,000 for the notification is not given or for which false information is
Owner Name (Corporation, Individual Public Agency, or Oth Salt River Project Street Address P. O. Box 52025	r Emny)	Nava-	(1 same as Section - man box here _) Company Site Menniner, as applicable jo Generating Station 70 Box not acceptable; les East of Page, AZ
Criy State	ZIP Code	Cny Dage	State 7
FIIOENIX AZ	850/2	-	
Maricopa Prone Number (Include, Area Cone)		Coco	Onino
Phoenix AZ	21P Code 8 5 0 7 2	Page County Cocc Give the geographic	Onino Municipality Onino State by degrees minutes, and seconds Exitive 40N 09E Sec. 5

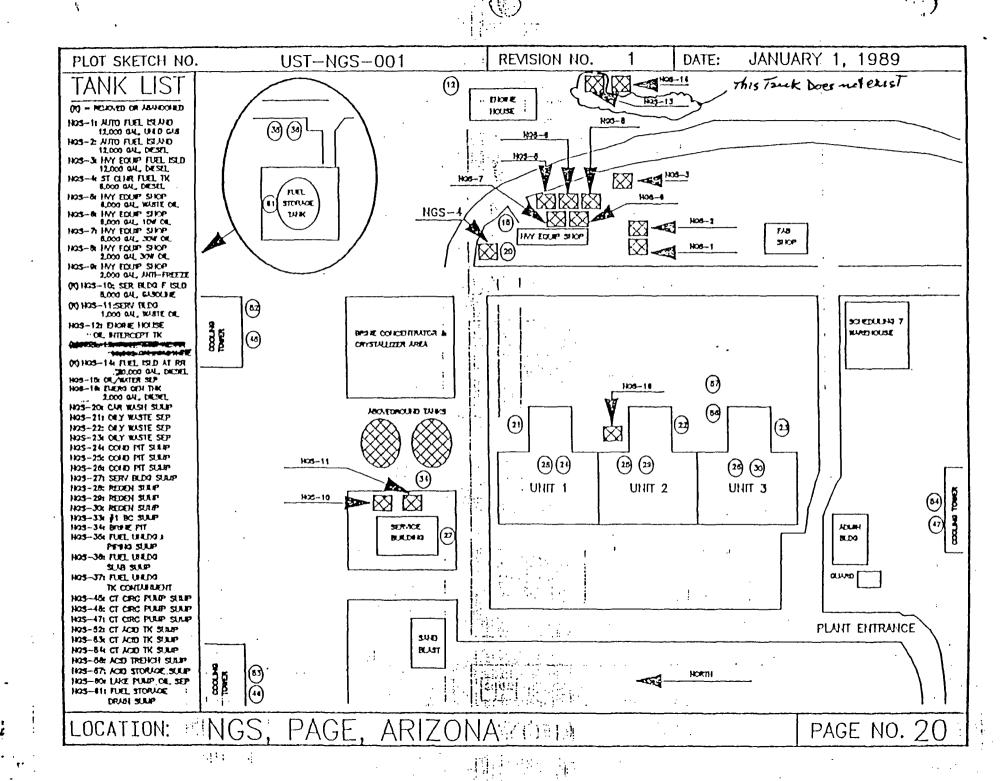
FAC.ID#	

NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHLET

1.	Draw a facility map identifying the tanks and associated piping,
	include major structures (buildings, roads, etc.). Indicate North or
	your drawing.

2.	Do you have any additional comments? Au Truks (457) have been
	removed AT This Facility -
	NES-13 was reported but did not exist - NES-14 bour
	To be a 20,000 gallon instead of 10,000 gallon

ADEQ/UST Supp.



III. TYPE OF OWNER	IV. INDIAN LANDS							
☐ Federal Gov't. ☐ Comme ☐ State Government ☐ Private	Tanks are owned by native American nation, Navajo							
☑ Local Government	tribe, or individual							
	V. TYPE OF FACILITY							
Select the Appropriate Facility Description								
Gas Station	Local Government Contractor							
Petroleum Distributor	State Government Trucking/Transport							
Air Taxi (Airline)	Federal - Non-Military X Utilities							
Aircraft Owner	Federal - Military Residential							
Auto Dealership	Commercial Farm							
Railroad	Industrial Other (Explain)							
	·							
VI.	CONTACT PERSON IN CHARGE OF TANKS							
Name Job Title	Address Phone Number (Include Area Code)							
,	Navajo Generating Station (602) 645-881							
Greg Benjamin Superviso								
	VII. FINANCIAL RESPONSIBILITY							
	the financial responsibility requirements in with 40 CFR Subpart H							
Check All that Apply								
Self Insurance	Guarantee State Funds							
Commercial Insurance	Surety Bond Trust Fund							
Risk Retention Group	Letter of Credit Other Method Allowed Specify							
1 I I I I I I I I I I I I I I I I I I I	Letter of oresit							
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\/#\ CEET*	EICATION (Flood and sign after as relations)							
VIII. CEHTII	FICATION (Read and sign after completing all sections)							
I certify under penalty of law that I have person documents, and that based on my inquiry of the submitted information is true, accurate, and co-	nally examined and am familiar with the information submitted in this and all attached lose individuals immediately responsible for obtaining the information, I believe that the implete.							
Name and official title of owner or owner's authorized representative (Print)	Signature Date Signed							
Loug Leary, MANAGER,	Slay 11/22/51							
gathering and maintaining the data needed an Chief, Information Policy Branch PM-223, U.S	form to average 30 minutes per response including time for reviewing instructions, d completing and reviewing the form. Send comments regarding this burden estimate to Environmental Protection Agency, 401 M Street, Washington D.C. 20460, marked ends the previous notification form as printed in 40 CFR Part 280, Appendix I. Previous while supplies last.							

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)						
Tank Identification Number	Tank NoNGS1	Tank No.NGS2	Tank No.NGS3	Tank No. NGS	⁴ Tank NoNGS5	
Status of Tank (mark only one) Currently in Us	е					
Temporarily Out of Us	1 1					
Permanently Out of Us		x	x	x	x	
Amendment of Information	· [
2. Date of Installation	1978	1978	1978	1978	1978	
3. Estimated Total Capacity (gallons)	12,000	12,000	12,000	5,000	6,000	
4. Material of Construction						
(Mark all that apply)						
Asphault Coated or Bare Stee	ol X	x	х	х	X	
Cathodiacally Protected Stee	alx	x	x	x	<u>x</u>	
Epoxy Coated Stee	ol []					
Composite (Steel with Fiberglass)					
Fiberglass Reinforced Plasti	c					
Lined Interio	r					
Double Walle	d					
Polyethylene Tank Jacke	ıt					
· Concret	e					
Excavation Line	r					
Unknow	n					
Other, Please Specif	y					
Has tank been repaired	No	No	No	No	No	
5. Piping (Material)						
(Mark all that apply) Bare Stee						
Galvanized Stee						
Fiberglass Reinforced Plasti						
Сорре						
Cathodically Protected		x	X	Х	x	
Double Waller						
Secondary Containmen	!					
Unknow	ן ב					
Other, Please Specif		Wrapped	Wrapped	Wrapped	Wrapped	
6 Pining (Type)	Steel_	<u>Steel</u>	Steel	Steel_	<u>Steel</u>	
Piping (Type) (Mark all that apply)						
Suction: no valve at tan	<					
Suction: valve at tan	(
Pressure	x	х	X	х		
Gravity Fe	3				x	
Has piping been repaired						

Tank Identification Number	Tank Na GS1	Tank NoNGS2	Tank No. NGS 3	Tank NoNGS4	Tank No. NGS 5
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please Specify	X	x x	x	x	x
Hazardous Substance CERCLA name and/or, CAS number					
Mixture of Substances Please Specify					
X.	TANKS OUT OF L	ISE, OR CHANGE	IN SERVICE		
Closing of Tank A. Estimated date last used (mo./day/year)	10/1/91	10/1/91	9/24/91	9/2/90	9/22/91
B. Estimate date tank closed (mo./day/year)	10/2/91	10/2/91	9/25/91	9/4/91	9/23/91
C. Tank was removed from ground D. Tank was closed in ground E. Tank filled with inert material Describe					
F. Change in service					
2. Site Assessment Completed	<u>x</u>	x	IN Progress		in Progress
Evidence of a leak detected	No	No	No	No	No

Tank Identification Number	Tank No. NGS1	Tank No. NGS 2	Tank No. GS3	Tank No. 1954	Tank No. NGS
I. Installation A. Installer certified by tank and piping manufacturers B. Installer certified or licensed by the implementing agency C. Installation inspected by a registered engineer D. Installation inspected and approved by implementing agency E. Manufacturer's installation checklists have been completed F. Another method allowed by State agency. Please specify.	x	x	x x	x	x
 2. Release Detection (Mark all that apply) A. Manual tank gauging B. Tank tightness testing C. Inventory controls D. Automatic tank gauging E. Vapor monitoring F. Groundwater monitoring G. Interstitial monitoring double walled tank/piping H. Interstitial monitoring/secondary containment I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by Implementing Agency. Please Specify. 	TANK PIPING X X X X X X X X X X X X X X X X X X	TANK PIPING X X X X X X X X X X X X X X X X X X	TANK PIPING X X X X X X X X X X X X X X X X X X	TANK PIPING X X X X X X X	TANK PIPIN
3. Spill and Overfill Protection A. Overfill device installed B. Spill device installed DATH: I certify the the information concerning installer: Day Leary Name MANAGER - TANKS + H		Sun	Lean	best of my belief a	nd knowledge. 1// z 2/5/ Date

I

NGS - 3

Tank Release Report

Facility Name: Navajo Generating Station

Date: November 22, 1991

Location: Page, Arizona

Tank Designation: NGS-3

Contents and Capacity: 12,000 gallon diesel fuel

Nature of Release: Spillage and overfills.

Regulated Substance Released: Diesel Fuel.

Quantity of Release: Unknown.

Period of Time Over Which Release Occurred: Unknown.

Action Taken (as of Report Date):

The tank and surrounding soils were excavated and removed on September 25, 1991 and the soils stockpiled on site. During tank removal, soil samples were collected from beneath the center and the east and west ends of the tank at an approximate depth of 8 feet below grade. An additional sample was collected from beneath the east end of the tank at approximately 13 feet below grade from on top of a sandstone (Carmel Formation). Soil staining was observed on the north end of the tank excavation so additional soil samples were collected from the northwest and southwest excavation sidewalls and endwalls at an approximate depth of 10 feet below grade. The soil samples were submitted for TPHC by EPA Method 418.1 and for Fuel Fingerprint analyses by EPA Method 8015M.

Contamination ranging from 350 to 17,000 mg/kg TPHC was detected in soil samples collected from immediately beneath the tank. Fuel fingerprint analyses confirm the level of contamination and identify the source as a diesel fuel. A soil sample collected from 13 feet below grade, approximately 5 feet below the tank, contained only 640 mg/kg TPHC. No contamination was detected in the samples collected from the excavation side and end walls.

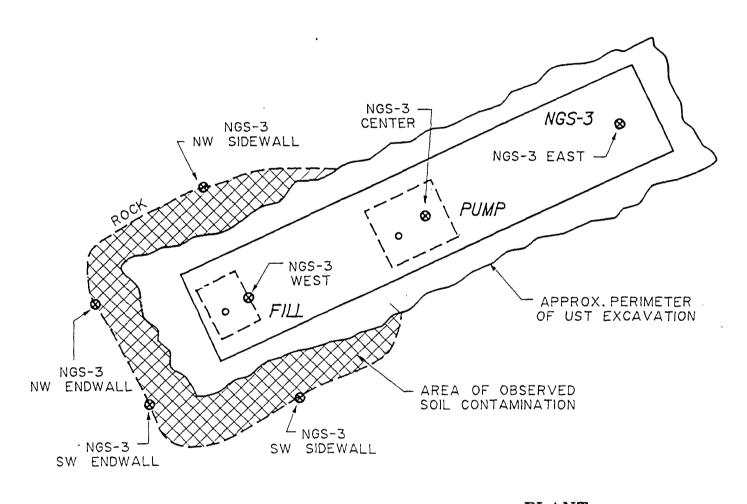
The tank was tested tight on November 3, 1987. The line was tested tight on November 7, 1990. No visible signs of tank failure were observed upon tank removal. Based on these results, it is concluded that the observed contamination resulted from spillage or overfilling during the operational life of the tank. The decrease in contamination levels detected with depth indicate that the contamination is

restricted vertically although the full extent of contamination has not been defined. The samples collected from the excavation walls indicate that the extent of contamination has been defined laterally.

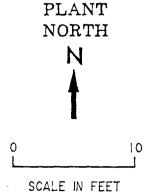
Action Anticipated:

A follow-up investigation, to define the vertical extent of contamination, is recommended. A soil boring would be advanced to collect subsurface soil samples from beneath the east and west ends of the former tank location. Soil samples would be submitted for analysis by EPA Methods 418.1 and 8015M.

FIGURE 5 NGS-3



NGS-3 DIMENSION 8' X 32'



Page 1 Received:	SRP WQ 09/27/91		REPORT 08:48:03	Work Order # 91-09-087
	SALT RIVER PROJECT			011
TO	HILDA MARCHETTI	_ BY .		/ 1
	SRP	_	•	0,14.
				CERTIFIED BY
ATTEN		_ ATTEN		
		PHONE		CONTACT MURPHY
CLIENT	SPECIALS : SAMPLES :	3_		
COMPANY	SRP	_	•	
TAKEN	NGS UST REMOVALS MICHAEL VODA N90-48731-02	_		
TVDE	71300	_	•	
P // #	71300			
	under separate cover	- 		
SAMPLE	E IDENTIFICATION		TEST CODES and NAMES	used on this workorder
		LFP FUEL FIN		
02 NGS-14	1 S25 TPH	 -	OLEUN HYDORCARBONS	
03 NGS-3				

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Page 8 SRP ND LAB REPORT Work Order # 91-09-087
Received: 09/27/91 Results by Sample

: SAMPLE ID NGS-3 E13 SAMPLE # 03 FRACTIONS: A.B

: Date & Time Collected 09/26/91 10:00:00 Category
: TPHC____640

M6/K6

Page 9 Received: 09/27/91

SAMPLE ID NGS-3 E13

SRP NO LAB

REPORT

Work Order # 91-09-087

Results by Sample

FRACTION 03B TEST CODE FUELFP NAME FUEL FINGERPRINT Date & Time Collected 09/26/91 10:00:00 Category

FUEL FINGERPRINT

SAMPLE ID DATE RUN MATRIX ANALYST			-3 E13 /30/91 SOIL KINNEY
		RESULT	UNITS
GAS	SOL I NE	BDL	PPN
DIE	SEL	870	PPM
FU	EL OIL	BDL	PPM
KEI	ROSENE	BDL	PPM

BDL=Below Detection Limit

Detection limit= 1000 ppm

LUBRICATING OIL BDL PPM

Comments:

Signature Navel My surrey

SRP

Salt River Project

CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona 85072-2025

ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

	Project:				Ī	Charg	e No: 71300	No	T	FI	ELD DAT	TA.		1	·	AN	ALTSIS	S	
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	Project Manager/Conta	ct: Vor> (MDV.	(ACIN	Phone:	,		Center: ス名フ	0	123"	/ N	• c				100				
	Sampler(s) Signature	11	33.11	1 -1 (t a i n	GPK					7 Hc	176C				
j	Sample		Date	Time d Collected	Matri	ix	Lab ID No.	e r s	CFS					7	11				
	-NGS-14	N. 25	Z654F9	10900	Smol	(141	91-08-089	1						[
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	Relinquished By: (signa	(ture)	Date Ti	me. Recei	ved By:	(signa	ture)		Date	Tin	e		·						

REPORT Page 1 SRP NO LAB Work Order # 91-09-079 Received: 09/26/91 10/04/91 14:17:51 REPORT SALT RIVER PROJECT PREPARED BY ___ TO HILDA MARCHETTI 585 CERTIFIED BY ATTEN _ PHONE ____ CONTACT MCKINNEY CLIENT SPECIALS SAMPLES 7
COMPANY SEF FAILLITY MORK II NSS UST REMOVALS TAKEN DENNIS SHIELES TRANS N90-48731-02 TYPE 71300 F.C. # INVOICE under separate cover SAMPLE IDENTIFICATION TEST CODES and NAMES used on this workorder 01 NSS-3 CENTER FUELFF FUEL FINGERPRINT 02 M59-3 EAST TPHS TOT PETROLEUM HYDORCARBONS 00 M68-0 MEST 04 N39-3 SW ENDWALL 05 NGG-0 SH SIDEWALL 06 NOS-3 NW ENDWALL 07 MGS-3 NW SIDEWALL

SRP WO LAB

REPORT

Work Order # 91-09-079

Page 4 Received: 09/26/91 Results by Sample

SAMPLE ID	NGS-3 CENTER	SAMPLE # 01 FRACTIONS: A.B	
		Date & Time Collected 09/25/91 11:53:00	
TPHC	5900		
1FRL	M3/K5		

REPORT

Work Order # 91-09-079

Results by Sample

SAMPLE 10 NGS-3 CENTER

FRACTION OID TEST CODE FUELFP NAME FUEL FINGERPRINT

FUEL FINGERPAINT

BAMBLE ID DATE RUN MATELL ANALYST		CENTER /23/91 SOIL KINNEY
	RESULT	UNITS
GASOLINE	PDL	PPM
DIESEL	3200	PPH
FUEL CIL	BDL	PPM
JERGEENE	FDL	PPM
LUSRICATINA CI	. FUL	PPM

PRE=Selow Detection Ligit

Secention limits 100 ppm

Contends:

Francis David M Genney

SEP NO LAB

REPORT

Work Order # 91-09-079

Received: 09/26/91

Results by Sample

SAMPLE ID NGS-3 EAST

FRACTION 02B TEST CODE FUELFP NAME FUEL FINGERPRINT
Date & Time Collected 09/25/91 11:57:00 Category

FUEL FINGERPRINT

BAMPLE ID BATE BUN MATRIA	09	3 EAST /25/91 SOIL
TBYLAAA	<u> </u>	KINNEY.
	REBULT	ukiis
GASGLINE	104	FFR
DIESEL	1400	FFM
FCCL D1.	BOL	PPM
PEROSENE	FDL	PPH
LUBRICATIAS DIL	POL	PPM

Blu-Relow Detection Limit

Detertion limit= 100 pom

Comments:

Estrature David M. Genney

•

. Page B

SRP WG LAB REPORT Work Order # 91-09-079
Results by Sample

Received: 09/26/91

Results by Sample

SAMPLE ID NGS-3 NEST	SAMPLE # 03 FRACTIONS: A.B Date & Time Collected 09/25/91 11:47:00 Category
TPHC 17000 M6///S	

SRP NO LAB REPORT Work Order # 91-09-079

Received: 09/26/91

Results by Sample

SAMPLE ID NGS-3 WEST FRACTION 03B TEST CODE FUELFP NAME FUEL FINGERPRINT

Date & Time Collected 09/25/91 11:47:00 Category _____

FUEL FINGERPRINT

SAMFLE ID	NGS-3 NEST
DATE SUN	09/26/91
MATRIX	SOIL
ARAL YET	D.W.MCKINNEY

	RESULT	UNITS
gaseline	EDL	PPM
PIESE1	17500	FFH
FUEL OIL	BDL	PPN
KERDSENE	PDL	PPH
: UBRICATING OIL	RDL	PPM

BDL=Below Detection Limit

Detection limit= 1000 pow

Comments:

EIGHATURE David M Genney

SRP NO LAB REPORT

Work Order # 91-09-079

Received: 09/26/91

Results by Sample

SAMPLE ID <u>NGS-3 SW ENDWALL</u>	SAMPLE # 04 FRACTIONS: A.B Date & Time Collected 09/25/91 13:45:00 Category	_ _
TPHC 350 MG/KG		

SRP WO LAB

REPORT

Work Order # 91-09-079

Received: 09/26/91

Results by Sample

SAMPLE ID NGS-3 SW ENDWALL

FRACTION <u>04B</u> TEST CODE <u>FUELFP</u> NAME <u>FUEL FINGERPRINT</u>

Date & Time Collected <u>09/25/91 13:45:00</u> Category

FUEL FINGERPRINT

SAMPLE ID	NGS-7 SW E	NDWALL
DATE RUN	03	1/26/91
MAISI/		SOIL
ANALYST	D.W.MC	KINNEY
	RESULT	erinu
GASOL INE	FDL	PPM
DIESEL	PDL	PPM
FUEL DIL	BDL	PPM
PEROSENE	BDL	PPM
LUBRICATING BIL	FDL	PPM

BB:=Below Detection Limit

Detection limit= 100 ppm

Cotmerie:

Examplere Dairel M. Kenney

SRP NO LAB

REPORT

Work Order # 91-09-079

Received: 09/26/91

Results by Sample

SAMPLE NO NGS-3 SW SIDEWALL SAMPLE NO FRACTIONS: A.B

Date & Time Collected 09/25/91 13:55:00 Category

TPHC -15

MS/X3

SRP WO LAB

REPORT

Work Order # 91-09-079

Received: 09/26/91

Results by Sample

SAMPLE IS NGS-3 SN SIDEWALL FRACTION OSB TEST CODE FUELFP NAME FUEL FINGERPRINT Date & Time Collected 09/25/91 13:55:00 Category

FUEL FINSERPRINT

EAMFLE ID DATE SUN HATRIX ANALYST		DEWALL 7/26/91 SDIL CKINNEY
	RESULT	UNITS
RASOL INE	FDL	PPM
115351	FDL	PPM
FUEL CIL	501	PPM
deresens	FDL	PPM
LUBRICATING DIL	BDL	PPM

MDL=Below Detection Limit

Detection limit= 100 ppm

Commenter

3157ature David M. Kurney

SRP NO LAB

REPORT

Work Order # 91-09-079

Received: 09/26/91 Results by Sample

SAMPLE ID NGS-3 NW ENDWALL SAMPLE # 06 FRACTIONS: A.B
Date & Time Collected 09/25/91 14:06:00 Category

1 TPHC -15

SRP WG LAB

REPORT

Work Order # 91-09-079

Received: 09/26/91

Results by Sample

SAMPLE ID NGS-3 NW ENDWALL

FRACTION OBB TEST CODE <u>FUELFP</u> NAME <u>FUEL FINGERPRINT</u>

Date & Time Collected <u>09/25/91 14:06:00</u> Category

FUEL FINGERPRINT

54M917 15 DATE ADM MATMIX AMALYST		NDWALL 726/91 SOIL KINNEY
	RESULT	פדואט
GASOLINE	851	PPM
Piesel	<u> PDL</u>	PPH
FUEL DIL	BDL	PPK
HEROSENE	BDL	PPM
LUPRICATING 31L	BDL	PPK

BDL=Below Detection Limit

Detection limit= 100 ppm

Daggents:

SIGNATURE David W.M. Genney

SRP WO LAB REPORT

Work Order # 91-09-079

Received: 09/26/91

Results by Sample

SAMPLE ID <u>NGS-3 NW SIDEWALL</u>	SAMPLE # 07 FRACTIONS: A.B Date & Time Collected 09/25/91 14:16:00	Category
TPHC -15		

SRP NO LAB

REPORT

Work Order # 91-09-079

Received: 09/26/91

Results by Sample

SAMPLE ID NGS-3 NN SIDEWALL FRACTION 07B TEST CODE FUELFP NAME FUEL FINGERPRINT Date & Time Collected 09/25/91 14:16:00 Category

FUEL FINGERFRINT

SAMPLE ID DATE SON BATRID ANALYST		DEWALL 7/26/91 SOIL CKINNEY
	KESULT	2† 1 NU
5450L1NE	BUL	PPN
Dieset	BDL	PPM
FUEL CIL	5DL	PPM
FFRDSEK1	BOL	PPM
LUBRICATING DIL	BDL	PPM

BDL=Below Detection Limit

Detection limit= 100 ppm

Comments:

Element David M. Genny

Salt River Project

CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona 85072-2025

ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

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				LYS	15	=_		_	
EPA 418.1.	EPA 8015								
<u>X</u>	X								
$\frac{\chi}{V}$	X			-	1		-	1	
X	X				1				
X	X			-	+			1	
X	X			-	+			1	-
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<i>!</i>	25 201	15/	ナ	! W	<u>!</u> .1	<u>!</u> 	 +	!	7

Project:				ge No: 71300			FIE	LD DATA			WALYSIS	
NGS UST REI	MOVAL	-S		-48731-07	°'	FLOW	NO3	TEMP EC	рH			
Project Manager/Contact: MIKE VODA		Phone: 3142	7 Cost	Center:	o n		/	• c	1 '			
Sampler(s) Signature	1.0		<u> </u>	7-700	t a i	GPM				418.1,		
Jeinst. X					n e	CFS						
Sample 10	Collected	Time Collected	Matrix	Lab ID No.	г 5					EPA		
NGS-3 CENTER	9/25/9	1153	Soil	91-09-079	1					XX		
NGS-3 EAST	111	1157	1(02						XX		
NGS-3 WEST	11	1147	11	03	1					XX		
NGS-3 SW ENDWALL	11	1345	11	04	1					XXI		
NGS-3 SW SIDEWALL	77	1355	11	05	1			,		XX		
NGS-3 NW ENDWALL		1406	(1	06	1					XX		
NGS-3 NW SIDEWALL	11	1416	11	0)						XX		
Religuished By: (Grature) /2	16/91 09	ime Rece	ived By: (sign	nature) -		0ace/ 9/26/91	7 ime	Remarks:	(JASIS; HON E	5/	
			ived By: (sign			Date	Time	7 K	z {	HONE	WIT	H
Relinquished By: (signature)	Date Ti	ime Recei	ved By: (sign	ature)		Date	Time		f	RESULT.	5	

Notification for Underground Storage	e Tanks			STATE USE ON	ILY	
ARIZONA DEPARIMENT OF ENVIRONMENTAL QUALITY			ID NUMBER			
TYPE OF NOTIFICATIO	_		DATE RE	CEIVED		
☐ A. NEW FACILITY ☑ B. AMENDED		CLOSURE	A. Date E	ntered Into Computer		
			1	ntry Clerk Initials		
No. of tanks at facilityNo. of con	tinuation sheet	is attached		Was Contacted to		
INSTRUCTIONS			Clarity	Responses. Comme	nts	
Please type or print in ink all items except "signat must be completed for each location containing under more than five (5) tanks are owned at this location, publisheds, and staple continuation sheets to the form.	erground stora	ge tanks. If				
GE	NERAL IN	FORMATIC	ON			
Notification is required by Federal law for all underground to have been used to store regulated substances since January 1, are in the ground as of May 8, 1986, or that are brought into use 1986. The information requested is required by Section 9002 of Conservation and Recovery Act, (RCRA), as amended. The primary purpose of this notification program is to locate and underground tanks that store or have stored petroleum or hazardous it is expected that the information you provide will be based on reason available records, or in the absence of such records, your knowledge recollection. Who Must Notify? Section 9002 of RCRA, as amended, require exempted, owners of underground tanks that store regulated substancity designated State or local agencies of the existence of their tan means— a) in the case of an underground storage tank in use on Novembrought into use after that date, any person who owns an undergrout tank used for the storage, use, or dispensing of regulated substance b) in the case of any underground storage tank in use before No 1984, but no longer is use on that date, any person who owned such immediately before the discontinuation of its use. c) if the State agency so requires, any facility that has undergone to facility information or tank system status. What Tanks Are Included? Underground storage tank is define or combination of tanks that (1) is used to contain an accumulation of substances." and (2) whose volume (including connected underground 10% or more beneath the ground. Some examples are underground 1. Gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticities or rumigants. What Tanks Are Excluded? Other tanks excluded from notification are: 1. farm or residential tanks of 1,100 gallions or less capacity used motor fuel for noncommercial purposes; 2. tanks used for storing heating oil for consumptive use on the pwinere stored; 3. septic tanks;	1984, that after May 8, the Resource evaluate soubstances. conabily a, belief, or so that, unless noes must siks. Owner ber 8, 1984, or nd storage s, and vember 8, n tank e any changes d as any one of "regulated and piping) is tanks storing: des,	Pipeline Satety which is an inti 5. surface 6. storm with 7. flow-thric 8. liquid traproduction and 9. storage mineworking. 6 surface of the 6. What Substance defi Environmental the exception of RCRA. It also 1 liquid at standa and 14.7 poun Where To AZ Depart 2005 N. Phoenix, When To I been taken out by May 8, 1986, must requires notific immediately.	Act of 1968, or a astate pipeline farmoundments, atter or waste was uppn process tan ps or associated gathering opera tanks situated in inft, shaft, or tunifloor. stances Are Con tanks that contained as hazardou Response, Com of those substancinctudes petroleurid conditions of the service of the tanks that contained as hazardou Response, Com of those substancinctudes petroleurid conditions of the service of the tanks of the tanks that contained as hazardou Response, Com of the substancinctudes petroleurid conditions of the tanks that conditions of the tanks that the ta	I gathering lines directly relations; an underground area (such nel) if the storage tank is sit wered? The notification regian regulated substances. This in section 101 (14) of the ipensation and Liability Actices regulated as hazardous tim, e.g., crude oil or any fra temperature and pressure (ch absolute). Impleted forms to: Environmental Avenue, Room 3	ated to oil or gas as a basement, cellar, uate upon or above the uirements apply to under his includes any Comprehensive of 1980 (CERCLA), with waste under Subtitle C of ction thereof which is 60 degrees Fahrenneit Quality Quality Quality tanks in use or that have in the ground, must notify the tanks into use after May to use, 3, if the State ormation to State agency or submits false ceed \$10,000 for each	
I. OWNERSHIP OF TANK(S)			II. LO	CATION OF TANK(S)	
Owner Name (Corboration Individual Public Agency, or Other Entity) Salt River Project Sireet Address P. O. Box 52025		Nava-	ompany Site Identifier. O Genet O Box not acceptable:	as Section: Tan box here in as appricable cating Station of Page, A		
	Code	Crty D		Suit AZ	Z p coce	
Phoenix AZ 850	12	Page			8604	
Maricopa Prome Number (Include Area Cope)		Coco	onino	Munic	Udi. ₹	
(602) 236-5900			~ 40N C	UIFEC DV SIZEE DI DOGRESS MINUTES AN DISE SEC. 5 Longitude		

, 3. s.

FAC.	ID#		

NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHLET

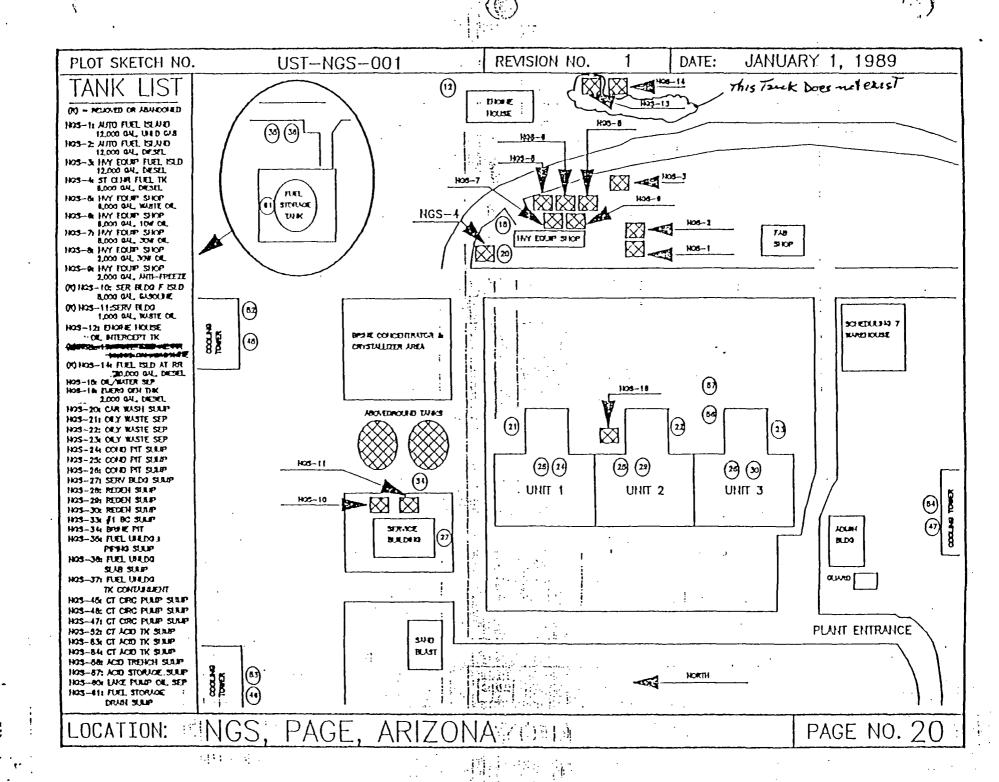
Draw a facility map identifying the tanks and associated piping,
include major structures (buildings, roads, etc.). Indicate North on
your drawing.

Do you have any additional comments? Au Truks (457) have been	ı
removed AT This Facility -	
NES-13 was reported but did not exist - NES-14 b	ound

To be a 20,000 gallon insteed of 10,000 gallon

2. Do

ADEQ/UST Supp.

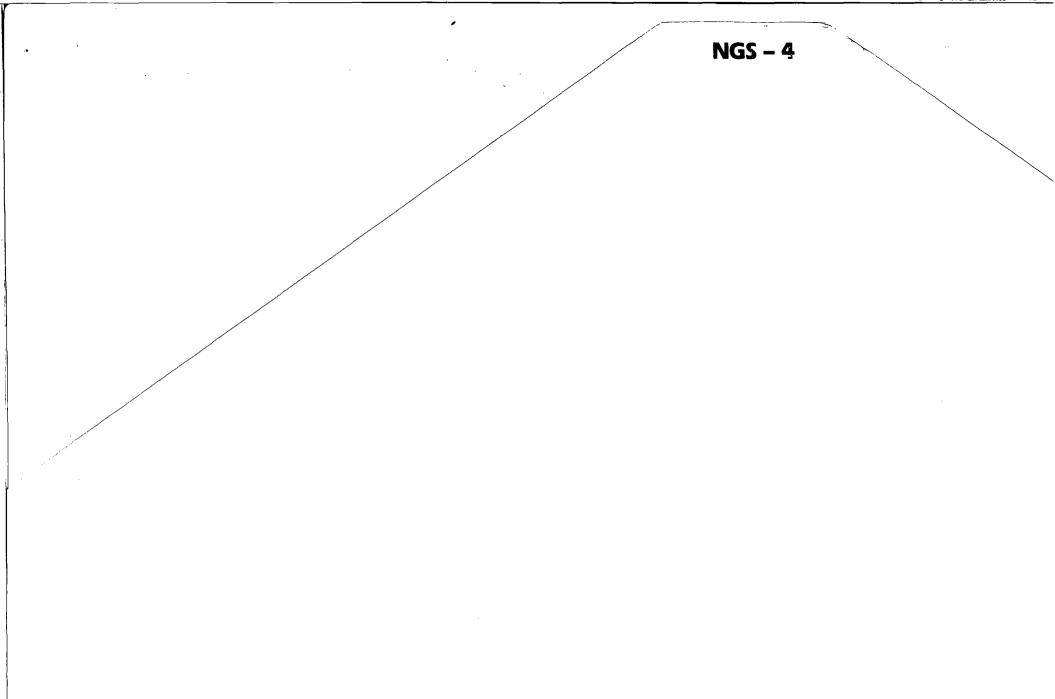


III. TYPE OF O	WNER	IV. INDIAN LANDS				
☐ Federal Gov't. ☐ State Government ☐ Local Government	☐ Commercial ☐ Private	Tanks are located on land within an I Reservation or on other trust lands. Tanks are owned by native American tribe, or individual	Q	Tribe or Nation: Navajo		
		V. TYPE OF FACILITY				
Select the Appropriate Facility	Description					
Gas Station	_	Local Government	Contra			
Petroleum Distrib	outor	State Government		ng/Transport		
Air Taxi (Airline)	_	Federal - Non-Military	_x_ Utilitie			
Aircraft Owner	_	Federal - Military	Reside	ential		
Auto Dealership		Commercial	Farm			
Railroad		Industrial	Other	(Explain)		
	 					
	VI. CON	TACT PERSON IN CHARGE OF TANK	S			
Name Job	Title	Address	Phor	ne Number (Include Area Code)		
		_	ng Stat:	ion (602) 645-881		
Greg Benjamin S	Supervisor, E					
···	VI	II. FINANCIAL RESPONSIBILITY				
		nancial responsibility requirements in 40 CFR Subpart H				
Check All that Apply						
Self Insurance	¦	Guarantee	l Sta	ate Funds		
Commercial Insurance	e	Surety Bond		ust Fund		
Risk Retention Group	1 ===	Letter of Credit	Other Method Allowed Sp			
	!	1		The state of the s		
	į					
	[
	VIII. CERTIFICAT	ION (Read and sign after completing al	sections)			
			<u> </u>			
	my inquiry of those in	examined and am familiar with the informatividuals immediately responsible for one.				
Name and official title of owner		ature of		Date Signed		
or owner's authorized represent	` '	My Llary	1	11/22/51		
• • • •						
gathering and maintaining the Chief, Information Policy Brand	data needed and com th PM-223, U.S. Envir I." This form amends t	to average 30 minutes per response incorpleting and reviewing the form. Send ∞ conmental Protection Agency, 401 M Strathe previous notification form as printed upplies last.	omments regareet, Washing	arding this burden estimate to grow D.C. 20460, marked		

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)					
Tank Identification Number	Tank No NGS1	Tank NoNGS2	Tank No.NGS3	Tank No. NGS4	Tank No.NGS5
Status of Tank					
(mark only one) Currently in Use					L
Temporarily Out of Use (Remarker to to out section IX.)				[
Permanently Out of Use	х	x	х	х	x
(Rumamoer to M out section IX.) Amendment of Information					
2. Date of Installation	1978	1978	1978	1978	1978
3. Estimated Total Capacity (gallons)	12,000	12,000	12,000	5,000	6,000
4. Material of Construction					
(Mark all that apply)	•				
Asphault Coated or Bare Steel	х	x	X	х	x
Cathodiacally Protected Steel	x	x	x	x	x
Epoxy Coated Steel					
Composite (Steel with Fiberglass)					
Fiberglass Reinforced Plastic					
Lined Interior					
Double Walled					<u> </u>
Polyethylene Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, Please Specify					
Has tank been repaired?	No	No	No	No	No
5. Piping (Material) (Mark all that apply) Bare Steel					
Galvanized Steel					
Fiberglass Reinforced Plastic					
Copper					
Cathodically Protected	x	х	x	x	x
Double Walled					
Secondary Containment					
Unknown					
Other, Please Specify I	Wrapped	Wrapped	Wrapped	Wrapped	Wrapped
	Steeli	_Steel	Steel	<u>Steel</u>	Steel
6. Piping (Type) (Mark ali that apply)					
Suction: no valve at tank					
Suction: valve at tank					
Pressure	х	х	х	x	
Gravity Fed					x
Has piping been repaired?				!	

Tank Identification Number	Tank No GS1	Tank NoNGS2	Tank No. NGS 3	Tank NoNGS4	Tank No. NGS 5
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please Specify	X	x	X	x	x
Hazardous Substance CERCLA name and/or, CAS number					
Mixture of Substances Please Specify					
X	TANKS OUT OF I	JSE, OR CHANGE	E IN SERVICE		
Closing of Tank A. Estimated date last used (mo./day/year)	10/1/91	10/1/91	9/24/91	9/2/90	9/22/91
B. Estimate date tank closed (mo./day/year)	10/2/51	10/2/91	9/25/91	9/4/91	9/23/91
C. Tank was removed from ground D. Tank was closed in ground E. Tank filled with inert material Describe	X			X	
F. Change in service					
2. Site Assessment Completed	x	х	VN Progress		In Progress
Evidence of a leak detected	No	No	No	No	No

ank Identification Number	Tank No. NGS	1 Tank No. NGS	Tank No. 1953	Tank No. 1954	Tank No. NGS 5
Installation A. Installer certified by tank and piping manufacturers					
Installer certified or licensed by the implementing agency	x)	x	x	x
 C. Installation inspected by a registered engineer 					
 D. Installation inspected and approved by implementing agency 					
 E. Manufacturer's installation check- lists have been completed 					
F. Another method allowed by State agency. Please specify.					
2. Release Detection (Mark all that apply)	TANK PIPIN	G TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPINO
A. Manual tank gauging	x	x	x	x	
B. Tank tightness testing	x	x	x	X	
C. Inventory controls	<u> </u>	X	X	X	
D. Automatic tank gauging					
E. Vapor monitoring					
F. Groundwater monitoring					
 G. Interstitial monitoring double walled tank/piping 					
 H. Interstitial monitoring/secondary containment 					
I. Automatic line leak detectors	<u> x </u>		x	<u> </u>	
J. Line tightness testing				:	
K. Other method allowed by Implementing Agency. Please Specify.	<u> x </u>	J x L	X	<u>x</u>	
3. Spill and Overfill Protection		<u> </u>			1
A. Overfill device installed					
B. Spill device installed					
OATH: I certify the the information concerning Installer: Luy Leary Name MANAGER - TANKS + H		Sun	ion X is true to the Learn Signature	best of my belief a	ind knowledge. 11/22/5/ Date



Tank Release Report

Facility Name:

Navajo Generating Station

Date:

November 22, 1991

Location:

Page, Arizona

Tank Designation:

NGS-4

Contents and Capacity:

5,000 gallon diesel fuel

Nature of Release:

None.

Regulated Substance Released:

Not Applicable.

Quantity of Release:

Not Applicable.

Period of Time Over Which Release Occurred:

Not applicable.

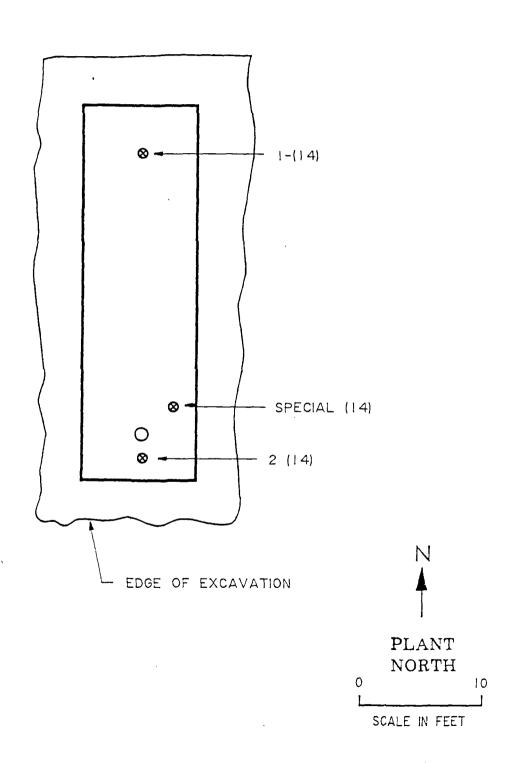
Action Taken (as of Report Date):

The tank and surrounding soils were excavated and removed on September 5, 1991 and the soils stockpiled on site. During tank removal, soil samples were collected from beneath the north and south ends of the tank at an approximate depth of 14 feet below grade. The soil samples were submitted for TPHC analyses by EPA Method 418.1 and for Fuel Fingerprint analyses by EPA Method 8015M. All results came back below method detection limits indicating there has been no release from the tank.

Action Anticipated:

None.

FIGURE 6 NGS-4



Page 1 Raceived:	09/08/91	SRP WO LAB		REPORT 07:19:01	Wo	rk Order # 91-09-019
	18.7.80789		REFAREI _ BY _			8.11.
			ATTEN _ FHENE _			CERTIFIED BY CENTACT MASSAGE
DIJENT DI MANA FADJIJT	* * * *	. F188 <u>.1</u> 				
7,200 79,200 79,200 7,200 7,200				٠		
SAMPLE 1 NGS-4	under separata cover IDENTIFICATION 14 GEED 1 3 14 DEEF DVD	<u> 1180 1</u>		EST CODES and NAM EUM HYDORCARBONS	ES used on	this workorder

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SRP

Salt River Project

CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona 85072-2025

ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

Page of

Project:				Char	ge No: 913YD	No of		FI	ELD DA	TA				AKAL	7515		
NGS TANK REMOVAL				N90-	48731-62	∫ c	FLOW	NO3	TEMP	EC	рН						1
Project Manager/Contact: GE HERSCHEZ		Phone:			Center: 3 3 0	o n	1,00	/ N	• c								
Sampler(s) Signature						t a i n e	GPH					2 2					
Sample ID	Date Collected	Time Collected	Matr	-ix	Lab ID No.	r s						7					
NG5-4 14/0EP 1/2	9/5/91	2 pm	So	,	91-09-019	1											
11 2/2	ic	15			02	١											
· · · · · · · · · · · · · · · · · · ·																	
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Religguished By: (signazure) D	oate Ti	me Rece	ived By:	: Ggign	nature) Menal		9/t/9/	Tir	ne /	Remarks: Ru> O/V	H	11					
	ate Ti		ived By:				Date	Tin	ne	RU)	11.	'. 1) A	LT.	3		
Relinquished By: (signature) D	ate li	me Rece	ived By:	(sign	ature).		Date	Tin	ne	C/V	Ψ,	, , , , , , , , , , , , , , , , , , ,					

Cansported en Cooler via Co. Plane

SRP WO LAB Work Order # 91-09-018 REPORT Page 1 09/09/91 07:18:28 Received: 09/06/91 SEPERT SALT RIVES PROJECT FREPARED BY ----ATTEN SONTACT <u>MURAN</u> FHORE ____ CLIBRO <u>EFECTALE</u> SAMPLES <u>1</u> TREATE TO THE PARTY OF THE PART #18 | 11 <u>| 138 | THAM | REF</u>ERAL THURW BERDEN HERBEHEL THAMS | TRAMBERISH LE 7-----Particle Content sections to the Content of the Con

TEST CODES and NAMES used on this workorder

SAMPLE IDENTIFICATION TEST CODES and NAME NOT SET ASSESSMENT TO SET ASSESSMENT SE

Page 4 Received: 09/05/91

SEP WO LAB REPORT Work Order # 91-09-018
Results by Sample

PAMPLE ID NGS-4 SPECIAL	SAMPLE # 01 FRACTIONS: A	
	Date & Time Collected 09/05/91 13:00:00 Category	
TPHC		

SRP

Salt River Project

CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona 85072-2025 ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

Page of

Project:			ĺ		No: 71340	No of		FI	ELD D	ATA				ANALT	SIS	
NGS TANK REMOVAL			/	W90-	18731-0Z	- C	FLOW	NO3	TEM	P EC	рн					
Project Manager/Contact:		Phone: 5917		Cost C		o n	1	/ K	• c	1						
GE HARSCHEZ		12711		<i>8</i> 83	80	-{ t	GPM									
Sampler(s) Signature Sample ID			·			a i n e	CF5					J Hd				
Sample ID	Date Collected	Time Callected	Matri	ix	Lab ID No.	r						17				
NGS-4 SPECIAL	9/5/91	/Pom	Soil	/	91-9-018 01	1										
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Relinquished By: (signature)	gate   Ti	me Rece	ived By:	(signa	cure) ·		9/6/9	C21	ne C	Remarks:	~~ <u>~</u>	<del></del>	+1\		v Œ	
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Relinquished By: (signature)	Date li	me Rece	ived By:	(signat	ure)		Date	lim	ne	Remarks: IKE SE, ON (	V.	RE	SULT	3(	Kh	

Illasported in cooles via Co. Plane

Notification for Underground Storage Tanks	STA	ATE USE ONLY
State Agency Name and Address	ID NUMBER	· · · · · · · · · · · · · · · · · · ·
ARIZONA DEPARIMENT OF ENVIRONMENTAL QUALITY	DATE RECEIVED	
TYPE OF NOTIFICATION	A. Date Entered In	ito Computer
☐ A. NEW FACILITY ☑ B. AMENDED ☑ C.	OSURE B. Data Entry Clere	· · · · · · · · · · · · · · · · · · ·
No. of tanks at facilityNo. of continuation sheet	attached C. Owner Was Co	ntacted to
INSTRUCTIONS	Clarify Respons	ses. Comments
Please type or print in ink all items except "signature" in section must be completed for each location containing underground storage more than five (5) tanks are owned at this location, photocopy the sheets, and staple continuation sheets to the form.	tanks. If	
GENERAL IN	ORMATION	•
Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1984, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.  The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or in the absence of such records, your knowledge, belief, or recollection.  Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—  a) in the case of an underground storage tank in use on. November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and b) in the case of any underground storage tank in use before November 8, 1984, but no longer is use on that date, any person who owned such tank immediately before the discontinuation of its use.  c) if the State agency so requires, any facility that has undergone any changes to facility information of tanks system status.  What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances." and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. Gasoline, used oil, or diesel fuel, and 2, industrial solvents, pesticides, herbicides or furnigants.  What Tanks Are Excluded?  Other tanks excluded from notification are:  1. tarm or residential tanks of 1,100 galions or less capacity used for storing motor fuel	Pipeline Satety Act of 1968, or the Hazardownich is an intrastate pipeline facility regula 5. surface impoundments, pits, ponds, 6. storm water or waste water collectio 7. flow-through process tanks; 8. liquid traps or associated gathering is production and gathering operations; 9. storage tanks situated in an undergr mineworking, drift, shaft, or tunnel) if the st surface of the floor.  What Substances Are Covered? The ground storage tanks that contain regulate substance defined as hazardous in section Environmental Response, Compensation at the exception of those substances regulate RCRA, it also includes petroleum, e.g., cruliquid at standard conditions of temperature and 14.7 pounds per square inch absolute.  Where To Notify? Send completed for AZ Department of Environmental Avenue.  Phoenix, Arizona 85004	ated under State laws; or lagoons; in systems; lines directly related to oil or gas dound area (such as a basement, cellar, orage tank is situate upon or above the enotification requirements apply to under disubstances. This includes any 101 (14) of the Comprehensive and Liability Act of 1980 (CERCLA), with old as hazardous waste under Subtitle C of deep oil or any fraction thereof which is a and pressure (60 degrees Fahrenheit).  The commental Quality  Room 300  Pround storage tanks in use or that have a 1,1974, but still in the ground, must notify beground storage tanks into use after May are the tanks into use. 3, If the State is tacility send information to State agency by fails to notify or submits faise enalty not to exceed \$10,000 for each
i. OWNERSHIP OF TANK(S)	II. LOCATION	OF TANK(S)
Owner Name (Corporation, individual Public Agency, or Other Emitty)  Salt River Project  Street Address  P. O. Box 52025	Facinity Name or Company Site Identifier, as aboricable  Navajo Generatino  Street Address IPO Box not acceptable;  5 miles East of 1	g Station
City State ZIP Cope	Cny Page A	7 Z \$ cooe
Phoenix AZ 85072	Page Ä	Municipality 8 6 0 4
Maricopa Phone Number (Include Area Code)		
(602) 236-5900	Give the geographic location of tanks if required by State bill 2 N Long 85 24 17W $-40N-09E-S6$	r degrees minutes, and seconds. Examples Lat. 42, 36

Latitude _

Longitude_

_. 3.5.

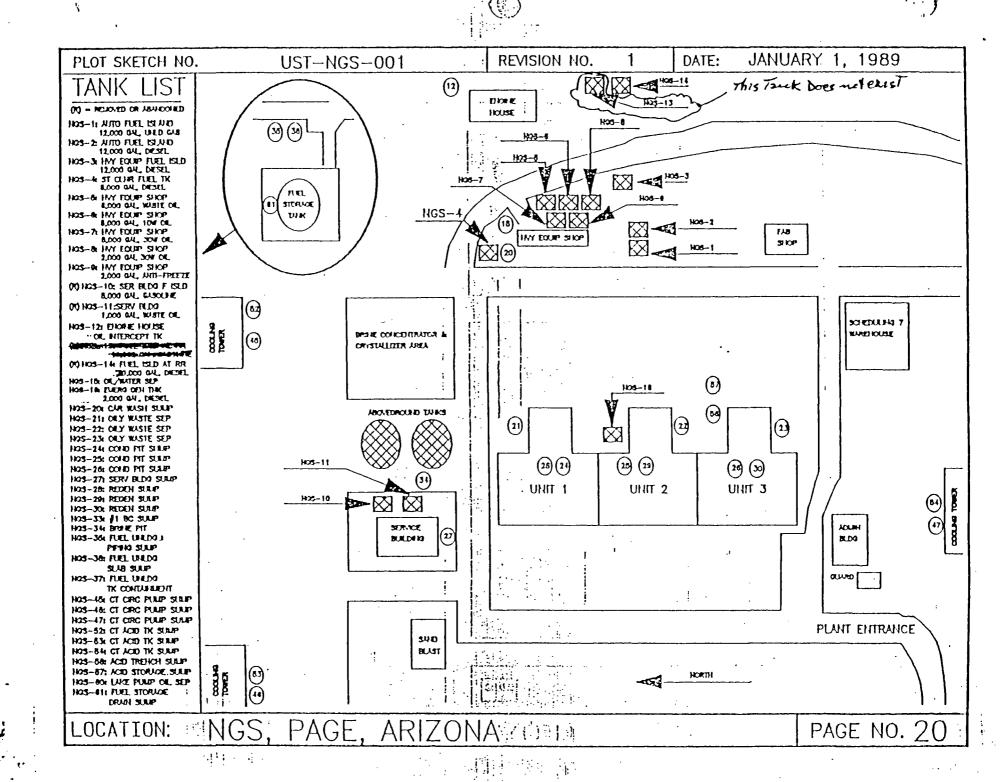
FAC.ID#	

# NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHLET

1.	Draw a facility map identifying the tanks and associated piping,
	include major structures (buildings, roads, etc.). Indicate North on
	your drawing.

	<u></u>
2.	Do you have any additional comments? Au Truks (457) have been
	tenoved AT This Facility -
	NES-13 was reported but did not exist - NES-14 form
	To be a 20,000 gallon instead of 10,000 gallon

ADEQ/UST Supp.



III. TYPE OF OWNER	IV. INDIAN LANDS						
☐ Federal Gov't. ☐ Commercial ☐ State Government ☐ Private ☐ Stocal Government	Tanks are located on land within an Indian Reservation or on other trust lands.  Tanks are owned by native American nation, tribe, or individual						
	V. TYPE OF FACILITY						
Select the Appropriate Facility Description							
Gas Station	Local Government Contractor						
Petroleum Distributor	State GovernmentTrucking/Transport						
Air Taxi (Airline)	Federal - Non-Military X Utilities						
Aircraft Owner	Federal - Military Residential						
Auto Dealership	Commercial Farm						
Railroad	Industrial Other (Explain)						
VI. CON	NTACT PERSON IN CHARGE OF TANKS						
Name Job Title	Address Phone Number (Include Area Code)						
·	Navajo Generating Station (602) 645-881						
Greg Benjamin Supervisor,	Engineering						
\\	VII. FINANCIAL RESPONSIBILITY						
	inancial responsibility requirements in 40 CFR Subpart H						
Check All that Apply	/						
Self Insurance	Guarantee State Funds						
Commercial Insurance	Surety Bond Trust Fund						
Risk Retention Group	Letter of Credit Other Method Allowed Specify						
	1 1						
VIII. CERTIFICA	TION (Read and sign after completing all sections)						
	examined and am familiar with the information submitted in this and all attached individuals immediately responsible for obtaining the information, I believe that the te.						
Name and official title of owner or owner's authorized representative (Print)	nature Date Signed						
Eguy Leany, MANAVER	Slay 11/22/51						
gathering and maintaining the data needed and cor Chief, Information Policy Branch PM-223, U.S. Env	n to average 30 minutes per response including time for reviewing instructions, impleting and reviewing the form. Send comments regarding this burden estimate to vironmental Protection Agency, 401 M Street, Washington D.C. 20460, marked is the previous notification form as printed in 40 CFR Part 280, Appendix I. Previous supplies last.						

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)										
Tank Identification Number	Tank No.NGS1	Tank No.NGS2	Tank No.NGS3	Tank No. NGS	Tank No.NGS5					
Status of Tank (mark only one) Currently in Use										
Temporarily Out of Use										
(Remember to fill out section IX.)										
Permanently Out of Use (Remarker to thi out section IX.)	x	x	x	<u>x</u>	x					
Amendment of Information										
2. Date of Installation	1978	1978	1978	1978	1978					
3. Estimated Total Capacity (gallons)	12,000	12,000	12,000	5,000	6,000					
4. Material of Construction										
(Mark all that apply)			ļ							
Asphault Coated or Bare Steel	х	<u>x</u>	x	x	х					
Cathodiacally Protected Steel	X	X	<u>x</u>	х	x					
Epoxy Coated Steel										
Composite (Steel with Fiberglass)	<u> </u>									
Fiberglass Reinforced Plastic										
Lined Interior										
Double Walled										
Polyethylene Tank Jacket										
Concrete										
Excavation Liner										
Unknown										
Other, Please Specify										
Has tank been repaired?	No	No	No	No	No					
5. Piping (Material) (Mark all that apply)  Bare Steel										
Galvanized Steel										
Fiberglass Reinforced Plastic										
Copper										
Cathodically Protected	x	х	x	x	х					
Double Walled										
Secondary Containment										
Unknown										
Other, Please Specify	Wrapped	Wrapped	Wrapped	Wrapped	Wrapped					
	_Steel	Steel	Steel	Steel	Steel					
6. Piping (Type) (Mark all that apply)				 						
Suction: no valve at tank										
Suction: valve at tank										
Pressure	x	Х	х	х						
Gravity Fed					x					
Has piping been repaired?										

Tank Identification Number	Tank NNGS1	Tank NoNGS2	Tank No. NGS 3	Tank NoNGS4	Tank No. NGS 5
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please Specify	X	x	x	x	x
Hazardous Substance CERCLA name and/or, CAS number					
Mixture of Substances Please Specify					
X.	TANKS OUT OF L	JSE, OR CHANGE	E IN SERVICE		
Closing of Tank     A. Estimated date last used     (mo./day/year)	10/1/91	10/1/91	9/24/91	9/2/90	9/22/91
B. Estimate date tank closed (mo./day/year)	10/2/51	10/2/91	9/25/91	9/4/91	9/23/91
C. Tank was removed from ground  D. Tank was closed in ground  E. Tank filled with inert material  Describe	X				X
F. Change in service					
2. Site Assessment Completed	x	×	IN Progress		In Progress
Evidence of a leak detected	No	No	No	No	No

	- NCC1	NCC2	- NGS3	NGS4	Tank No. NGS5
Tank Identification Number	Tank No. NGS 1	Tank No. NGS 2	Tank No. 1953	Tank No GS4	Tank No.
1. Installation					
Installer certified by tank and piping manufacturers					
B. Installer certified or licensed by the implementing agency					
C. Installation inspected by a registered engineer	х	х	х	х	x
D. Installation inspected and approved by implementing agency					
E. Manufacturer's installation check- lists have been completed					
<ul> <li>F. Another method allowed by State agency. Please specify.</li> </ul>					
2. Release Detection (Mark all that apply)	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING
A. Manual tank gauging	x	x	x	x	
B. Tank tightness testing	x	×		<u>x</u>	
C. Inventory controls	x	<u>                                     </u>	×	X	
D. Automatic tank gauging					
E. Vapor monitoring					
F. Groundwater monitoring					
G. Interstitial monitoring double walled tank/piping					
Interstitial monitoring/secondary containment					
I. Automatic line leak detectors	X	x	x	<u>x</u>	
J. Line tightness testing				•	
K. Other method allowed by Implementing Agency. Please Specify.	х	x	x	x	
3. Spill and Overfill Protection					:
A. Overfill device installed					
B. Spill device installed					
OATH: I certify the the information concerning Installer: Leary Name		Sun	on X is true to the		and knowledge.  1//22/5/ _Date
MANAGER - TANKS + H Position		2 ERVICES	sall	River Pr	get _

#### Tank Release Report

Facility Name: Navajo Generating Station

Date: November 22, 1991

Location: Page, Arizona

Tank Designation: NGS-5

Contents and Capacity: 6,000 gallon waste oil

Nature of Release: Spillage and overfills.

Regulated Substance Released: Waste oil.

Ouantity of Release: Unknown.

Period of Time Over Which Release Occurred: Unknown.

#### Action Taken (as of Report Date):

The tank and surrounding soils were excavated and removed on September 23, 1991 and the soils stockpiled on site. During tank removal, soil samples were collected from beneath the north and north-center ends of the tank at an approximate depth of 13 feet below grade. An additional sample was collected from beneath the south end of the tank at approximately 16 feet below grade. The soil samples were submitted for TPHC analysis by EPA Method 418.1, Fuel Fingerprint analyses by EPA Method 8015M, and Volatile Organic Compound (VOC) analysis by EPA Method 8010/8020.

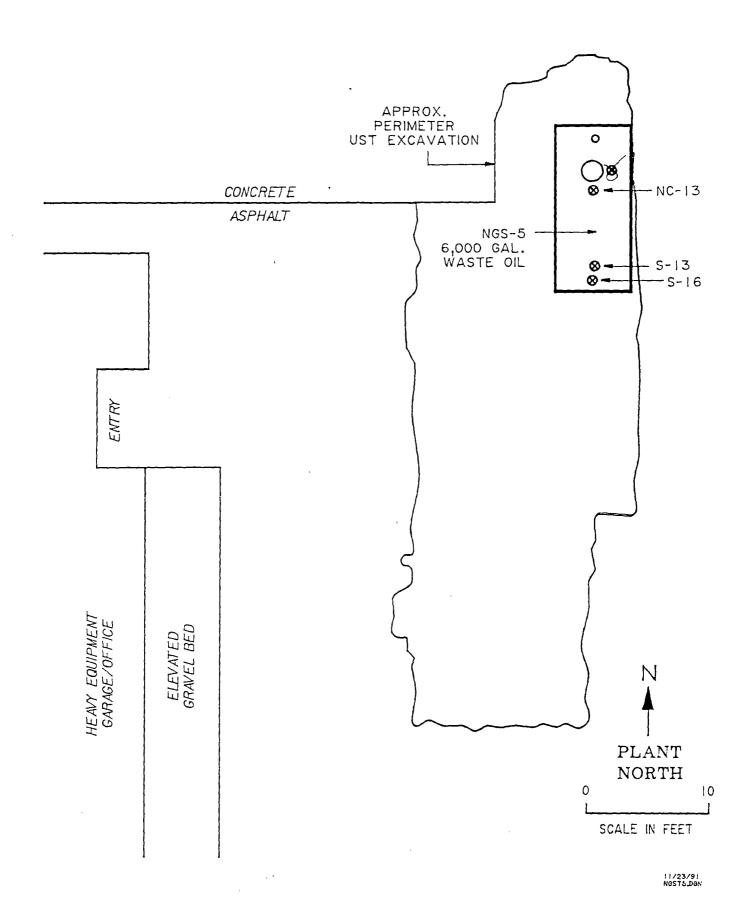
Total petroleum hydrocarbon contamination of 68,000 mg/kg was detected immediately beneath the south end of the tank. No significant soil contamination was detected beneath the north-center end of the tank. Fuel fingerprint analyses confirm the level of contamination beneath the south end of the tank and identify the source as a lubricating oil. Toluene and xylene, fractions of a petroleum product, were detected in the soil samples submitted for VOC analysis. A low level (100 mg/kg) of tetrachloroethene (PCE) was also detected in the soil sample collected from 13 feet below grade beneath the south end of the tank, but was not detected in the sample collected from 16 feet below grade.

The tank was tested tight on December 27 1988. No visible sign of tank failure was observed upon tank removal. Based on these observations and the soil sampling results from beneath the fill side of the tank, it is concluded that the observed soil contamination resulted from spillage or overfilling during the operational life of the tank. The vertical extent of contamination has not been verified.

## Action Anticipated:

A follow-up investigation, to define the vertical extent of contamination, is recommended. A soil boring would be advanced to collect subsurface soil samples from beneath the south end of the former tank location. Soil samples would be submitted for analysis by EPA Methods 418.1, 8015M, and 8010/8020.

FIGURE 7 NGS-5



6C61A6Q	: 09/24/91		REPORT 04/91 14:06:41	Work Order 4 91-09-070
REPORT	SALT RIVER PROJECT	PREFA	RED	011
	HILDA MARCHETTI		RY	
	SAP			6,71
				CERTIFIED BY
ATTEN		AT	TEK	
		FH.	ONE	CONTACT MUREHY
CLIENT	SFECIALS SAN	# LES 13		·
เปรียกไล้ที่ก็ เอง เพล	<u>SRP</u>		•	
Licin	· · · · · · · · · · · · · · · · · · ·			
2551 70	NGB UST CLOSURE			
TAYEN	DENNIS SHIRLEY			
	MON RESERVICE			
	7.70		•	•
			-	
BOLDVA	under separate c <u>over</u>			
SAMPLE SAMPLE MGS-5, MGS-5, MGS-5, MGS-7, MGS-8, MGS-8, MGS-9, MGS-9, MGS-9, MGS-9, MGS-14	IDENTIFICATION SOUTH NORTH SCUTH (13") SOUTH (15") NORTH SOUTH EAST WEST	FUELFF FUEL	FINGERPRINT PETROLEUM HYDDRCARBONS	1ES used on this workorder

Page 4 Results by Sample Received: 09/24/91 SAMPLE # 01 FRACTIONS: A 1 SAMPLE ID NGS-6 SOUTH Date & Time Collected 09/23/91 15:08:00 Category 1 TPHC 1100 #5/X5 I BAMPLE ID NGS-6 NORTH SAMPLE # 02 FRACTIONS: A Date & Time Collected 09/23/91 14:59:00 Category : TPHC______82 MG/86 : SAMPLE ID NGS-5 SOUTH (13') SAMPLE # 03 FRACTIONS: A.B Date & Time Collected 09/23/91 15:35:00 Category 1 TPHC _____58000

REPORT

Work Order # 91-09-070

SRP WO LAB

#37-3

Page 7 Received: 09/24/91 Results by Sample SAMPLE IN MGS-5 SOUTH (16') SAMPLE * 04 FRACTIONS: A.B
Date & Time Collected 09/23/91 15:53:00 Category ! TPHC__ 68000 M5746

SRP WO LAB

REPORT

Work Order # 91-09-070

SAMPLE # 05 FRACTIONS: A . EAMPLE ID NGS-7 NORTH Date & Time Collected 09/23/91 14:45:00 Category 1 TPHC 31000 25/82 SAMPLE # 06 FRACTIONS: A : SAMPLE ID NGS-7 SOUTH Date & Time Collected 09/23/91 14:37:00 Category : TPHC 20000 73/16 SAMPLE ID NGS-B EAST SAMPLE # 07 FRACTIONS: A Date & Time Collected 09/23/91 14:40:00 Category ___ i SAMPLE ID NGS-B WEST SAMPLE # 08 FRACTIONS: A Date & Time Collected 09/23/91 14:31:00 Category _____ † TPHC 23000 SAMPLE ID NGS-9 EAST SAMPLE # 09 FRACTIONS: A Date & Time Collected 09/23/91 14:40:00 Category 1 TPHC 47000 45 45 : SAMPLE 10 NGS-9 WEST SAMPLE # 10 FRACTIONS: A Date & Time Collected 09/23/91 14:25:00 Category _ 1 TPHC _____25000 : SAMPLE ID NGS-5 CENTER (NORTH END) SAMPLE # 11 FRACTIONS: A.B Date & Time Collected 09/24/91 08:20:00 Category

SRP NO LAB

REPORT

Work Order # 91-09-070

Received: 09/24/91

Results by Sample

SAMPLE 10 NGS-5 SOUTH (13") FRACTION 03B TEST CODE FUELFP NAME FUEL FINGERPRINT Date & Time Collected 09/23/91 15:35:00 Category _____

FUEL FINGERFRINT

BAMPLE 10	NGS-5 560TH (131)
DATE RON	09/25/91
MATRIX	5011
4MH1957	S.W. MCKINNEY

RESULT UNITS SATISTAG <u> PD</u>_ 504 MESEL <u> FDL</u> FPN FUEL DIL ROL BDL A EROSENE FFM SBRIGHTITS SIL 90000 PPM

BDI=Relow Detection Limit

Petertion limit= _____ 100 pom

lorgente:

Fage 6

SRP WG LAB REPORT

Work Order # 91-09-070

Received: 09/24/91

Results by Sample

ERRELE 10 NGS-5 SOUTH (13') FRACTION 03B TEST CODE VDA2 NAME 8010/8020

Date & Time Collected 09/23/91 15:35:00

#### 8010/8020 ANALYSIS

:	Sample Date	(19/23/91	Accession Number		
;	eceived bate	09/24/91	· Sample Id		
<u> </u>	malveis Date	09/25/91			
	Matrix	SOIL	Dilution Factor	10	0/1000
		E.J.MURPHY	Analyzing Lab		
ESH# SekT	PET LIN	RESULT	COMPOUND	DET LIM	RESULT
Dichlorodif)uc/orethans	-59	-97	Bromodichloromethane	50	~50
onloragethens	-99	-77	2-Chloroethylvinyletner	<u> </u>	- 50
Vinvl Itlanics	<u></u>	-99	. T-1,3-Dichloropropene	<u></u>	-50
Brosomethane	<u>-9</u> 9	-93	Toluene	500	1300
Onlorsethane	-99		C-1,3-Dichloropropene	5()	- :.0
Thichlorofluoromethane	Ę.,	-50	1,1,2-Trichloroethane	50	-50
1,1-Dichloscethylese	50	-50	Tetrachloroethylene	50	100
nathwiene Chiprice	50	-50	Dibromochloromethane	<u>,,(()</u>	-50
7-1,2-Dichlorgetavlene	<u> </u>	-50	Chlorobenzene	50	<u>-50</u>
:.i=%ichlergeinane	5)	<u>-50</u>	Ethyl Benzene	50	<u>~5()</u>
วัสมัยสะสัยเก	50	-50	M/P lylenes	50	
1.1,1-7%1chleraethane		-54)	ū Xylene	50	<u>- 50</u>
Barton Tetrachienide	<u> </u>	= E %	Bromotorn	50	-50
Bertens	50	-50	1.1,2.2-Tetrachloroethane	59	-50
1.3-Bighlandetmene	50	-50	1,3-Dichlorobensene	9.5	~ <u>**</u> **
Triphliniethens	50	-50	1,4-Dichloropenzene		~57.
1.1-Bichlencomopane	5)		1.2-Dichlorobenzene	50	-50
@AvGC Comments					

WOTES:

A result preceded by - indicates result is below detection limit A -99 indicates that the compound was not analyzed

Work Order # 91-09-070

Date & Time Collected 09/23/91 15:53:00 Category

FUEL FINGERPRINT

SAMPLE TO NGS-5 SOUTH (16') FRACTION OAB TEST CODE FUELFP NAME FUEL FINGERPRINT

 RESULT
 UNITS

 6ASOLINE
 BDL
 PPM

 0FESEL
 BDL
 PPM

 FUEL GIL
 BDL
 PPM

 FEROSENE
 BDL
 PPM

 LUBRICATING BIL
 64000
 PPM

PDI=Below Detection Limit

Detection limit= 100 ppm

Coaseats:

Signature Navil M Kenney

Face 9

SRP WO LAB

REPORT

Work Order # 91-09-070

Results by Sample

Received: 09/24/91

SAMPLE ID NGS-5 SOUTH (16') FRACTION 04B TEST CODE VOA2 NAME B010/8020

Date & Time Collected 09/23/91 15:53:00 Category

## 8010/8020 AMALYSIS

	Sample Date		Accession Number		
î. e	ceived Date	09/24/91	· Sample Id		
<u> </u>	alveis Date	09/26/91			
		SOIL	Dilution Factor	10	0 <u>/1000</u>
	Atalist	E.J.MURPHY	Analyzing tab		
03 <b>1</b> 2010	PET LIN	RESULT	COKPOUND		
Dichleropifluoromethare	<u>- 9 9</u>	-99	Bromodichloromethane	50	<u>-50</u>
chlonometrane		<del></del>	2-Chloroethylvinylether	50	- <u>c.()</u>
Pinkl Chlarace	- <del></del> - <del>-</del> 5	-59	T-1.3-Dichloropropene	50	-50
Brodesthere	-97	-79	Toluene	500	<u>18(-0</u>
Calcipatosasa	-99	-75	D-1,3-Dichloropropene	50	- <u> </u>
Trichlorafiloroxethare	5.7 5.7	-50	1,1,2-Trichloroethane	50	<u>-50</u>
1.1-Dichlorcethylere	59	-50	Tetrachloroethylene	50	-:0
Meinvlene Caloride	# % #0	-50	Dibromochloromethane	<u> </u>	_ t //
THILZHDICAD proetry beta	17 99	- <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> -()	Chlorobenzene	56	-50
1.1-Bichlordethame	50	<u>~50</u>	Ethyl Benzene	5.0	-50
Ellerefors	50	-50	M/P äylenes		-5()
1/1/19Thighlorostheas		-50	8 Aylene	<u> </u>	54
lambor Petrachianise		···	Arcmetorm		
Senzene -		<u>-50</u>	1.1.2,2-Tetrachloroethane		
3.1-Bicaloncethate		<u> </u>	1.3-Dichlorobenzene		
Chichlenge theme		-50	1,4-Dichlorobenzene		
1.2-Dicklersemotewe	<u>50</u>	-50	1.2-Dichlorobenzene	();}	- 200
94195 Sopredoe					

ADTES:

A result preceded by - indicates result is below detection limit A -99 indicates that the compound was not analyzed

Face 11 SRP WG LAB REPORT Received: 09/24/91

Results by Sample

Work Order # 91-09-070

SAMPLE 10 NGS-5 CENTER (NORTH END) FRACTION 118 TEST CODE FUELFP NAME FUEL FINGERPRINT Date & Time Collected 09/24/91 08:20:00 Category ____

FUEL FINGERPRINT

EAMPLE ID NG DATE ROW MATAIX ANALYST		TH END) 9/25/91 SOIL CKINNEY
	RESULT	UNITS
GASELINE	BDL	FFM
DIEBEL	BOL	PPM
FUEL OIL	BDL	PPM
rerosens	FDL	PPK
LUBRICATING C	il <u>BDL</u>	PPM

BIL=Below Detection Limit

Detection limit= ______100 ppm

Cottente:

SRP WG LAB

REPORT

Work Order # 91-09-070

Received: 09/24/91

Results by Sample

SAMPLE ID NGS-5 CENTER (NORTH END) FRACTION 11B TEST CODE VOA2 NAME 8010/8020 Date & Time Collected 09/24/91 08:20:00 Category ___

8010/8020 ANALYSIS

		09/23/91 09/24/91	Accession Number - Sample Id NGS		
	alvsis Date Matrix	09/25/91 SOIL E.J.MURPHY			<u> 100</u>
09#30;**.0	DET LIM	RESULT	COMPOUND	DET LIM	RESULT
Problemed: flaprocethere	-97	-99	Fromodichloromethane	50	<u>-5,0</u>
chlorosetrane	-45	-99	2-Chloroethylvinylether	50	- 5.0
Vinvl Chicrise	-55	-99	T-1,3-Dichloropropens	50	- <u>=</u> ú
Eronomethene	- 7.7	- 77	Toluene	50	- ² (i)
Inlincetname	- 57	-95	C-1,3-Dichloropropene	50	-50
Trichierofluoronethane	\$/,	- <u>"</u> ;()	1.1,2-Trichloroethane	<u>; ; ()</u>	-50
1.1-Bichlordetaylene	<u> </u>	<u>-50</u>	Tetrachloroethylene	50	-5 <u>0</u>
Methylene Chlorice	Ę.,)	-56	Dibromochloromethane	50	= <b>E</b> //
7-1,2-Dienlestetaviere	50	-50	Chlorobenzene	<u> </u>	-50
1.1-Dachleraethene	50	-50	Ethyl Benzene	5.3	<u>-50</u>
Calchefona	<u> </u>	<u> </u>	M/P Xylenes	50	-50
1.101=Thichlaraethane	E 5	-50	0 Avlene	50	
Caroon TechsonYoruse		-50	Bramoters	Eg	- <del> </del>
2encene	2 *	- <u>5</u> (i	1.1.2.2-Tetrachlorsethane	50	- 5%
1/2-Dichlinisthers	<u> 50</u>	- ^E .;()	1,3-Dichlorobenzene	50	<u>-50</u>
Thuchwardechens	), 2 ()	-50	1,4-Dichlorobenzene	50	- <u> </u>
uvCHDoor vanderhebene	<u> 50</u>	-5()	1.2-Bichlorstenzene	50	= 5,0)
94.22 Companie		·-	· · · · · · · · · · · · · · · · · · ·		

857EE;

A result preceded by - indicates result is below detection limit A -99 indicates that the compound was not analyzed

# SRP

Salt River Project

CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona 85072-2025 ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

Page 1 of R

Project:			Char	ge No:	No	1	FIELD O	ATA			AXA	TAZIZ	
NGS UST Clas	sure		Ngo	-48731-02	of	FLOW NO	3 TEMP	, EC	рн	39		$\overline{11}$	11
Project Manager/Contact:		Phone:	Cost	Center:	0	/	-   · <b>-</b> ···		l bu	4 1	0		
MIKE VODA		3142	2   8	<u> </u>	n t	) N	• c	1		100 S	8	1 1	<b>†</b> †
Sampler(s) Signature					a i n	GPM					EPA 8		
Sample 10	Date Collected	Time Collected	Matrix	Lab ID No.	r	<u> </u>				HOT FOA	巨		
NGS-6 SOUTH	19/2/9	1508	Soil	91-09-070	(					XI			
NGS-6 NORTH	()	1459	<i>6</i> (	02	1					X			
NGS-5 SOUTH (13')	l,	1535	ι,	03				ļ		XX	X		
NGS-5 SOUTH (16')	,,	1553	11	OK	1					XX	$X_{\perp}$		
NGS-7 NORTH	11	1445	(1	05	1					$X \sqcup$			
NGS-7 SOUTH	11	1437	<i>\( \)</i>	20	1					X			
NGS-8 EAST	Vļ.	1440	١,	0)	1					XI			
NGS-8 WEST	1,	1431	(1	08	1	REC	EIVE	•		X			
NGS-9 EAST	( '	1440	11	09	1	SEP.	2 4 19	91	,	X			
NGS-9 WEST	9/23/91	1425	5010	10	1	Laboratory				XI			
						Emronn	nental Serr	1					
Relinquished By: (s) majure)	124/11 7:3	me Received	ved By: Saign	nature) //C/11/11/1			i ime BC	Remarks:	Expe	dite	1.201	affili	id in
Relipquished By: (signature)	Date   Ti.	L	ved By: (sign			Date	lime		EPY	941 Am	8.)	ra U	ety
Relinquished By: (signature)	Date   Ti	ne Receiv	ved By: (sign	ature)		Date	Time			/ )v C	J. J.	eder	est
												J	

# SRP

Salt River Project

# CHAIN OF CUSTODY RECORD/TRANSMITTAL

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Page Z of Z

Project:	· <del></del>		Chare	ge No:	No		FI	ELD DA	TA		T		ANALYSIS	5	
NGS UST CLOSURE	_				of	F1 01	,,,,	n		1	1			T	1
Project Manager/Contact: MIKE VODA		Phone: 3142		Center:	Cont	FLOW	NO3 / N	TEMP	EC	pH		20			
Sampler(s) Signature					a i n e	GPH					718	200			
Sample 10	Date Collected	Time Collected	Matrix	Lab ID No.	r s						# PP A	# F 74			
NGS-5 CENTER (NORTHEND)	9/29/91	0820	Soil	91-09-070							X	(X			
NGS-14 UST SOOTH END	11	0925	50,0	12	)						X)	1			
NGS-14 UST NORTH END	19/24/21	1008	Soil	13	1						<u> </u>				
											·				
							REC	EIVE	D						
·							SEP	241	991						
						12	porstory (	i Field S	ELAICE2						
							Emiroum	जामि २६	1023						
0															
Relinquished By: (signature)  Relinquished By: (signature)  Relinquished By: (signature)			ved_By: (sign LN: A ved By: (sign	pature)  LWE 110  nature)	<u>U</u> ,	Date Date	/ Ti	me 30	Remarks:	EX	(PE)=	DIFE UAL	727		
Relinquished By: (signature) D	Date Tio	ime Receive	ved By: (sign:	iature)		Dace	Ti	me /	PLZ Julysp cofinal	17 DUC	(1) i	12 1/2 1/4 1/2 1/4	Cal	ccl.	

Notification for Underground Storage Tanks	STATE USE ONLY
State Agency Name and Address	ID NUMBER
ARIZONA DEPARIMENT OF ENVIRONMENTAL QUALITY	DATE RECEIVED
TYPE OF NOTIFICATION	A. Date Entered Into Computer
☐ A. NEW FACILITY 🔯 B. AMENDED 🖼 C. (	B. Data Entry Clerk Initials
No. of tanks at facilityNo. of continuation sheets	<del> </del>
INSTRUCTIONS	Clarify Responses. Comments
Please type or print in ink all items except "signature" in section must be completed for each location containing underground storage more than five (5) tanks are owned at this location, photocopy the forms.	e tanks. If
GENERALINI	FORMATION
Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1984, that are in the ground as of May 8, 1986, or that are brought into use ster May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.  The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored perroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or in the absence of such records, your knowledge, belief, or recollection.  Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—  a) in the case of an underground storage tank in use on. November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and b) in the case of any underground storage tank in use before November 8, 1984, but no longer is use on that date, any person who owned such tank immediately before the discontinuation of its use.  c) if the State agency so requires, any tacility that has undergone any changes to tacility information or tank system status.  What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground tanks storing: 1.0% or more beneath the ground. Some examples are underground tanks storing: 1.0% or more beneath the ground. Some examples are underground tanks storing: 1.10% or or the provided of the contain and complete the included?  Other tanks excluded?  Other tanks excluded from notification are:  1. tarm or residential tanks of 1,100 gallons or l	4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Salety Act of 1968, or the Hazardous Liquid Pipeline Salety Act of 1979, or which is an intrastate pipeline facility regulated under State laws:  5. surface impoundments, pits, ponds, or lagoons;  6. storm water or waste water collection systems;  7. flow-tinrough process tanks;  8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;  9. storage tanks stituated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situate upon or above the surface of the floor.  What Substances Are Covered? The notification requirements apply to under ground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA, it also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrennelt and 14.7 pounds per square inch absolute).  Where To Notity? Send completed forms to:  AZ Department of Environmental Quality  2005 N. Central Avenue, Room 300  Phoenix, Arizona 85004  When To Notity? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986. must notify within 30 days of bringing the tanks into use. 3. If the State requires notification of any amendments to facility send information to State agency immediately.  Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false infor
I. OWNERSHIP OF TANK(S)	II. LOCATION OF TANK(S)
Owner Name (Corporation Individual Public Agency, or Other Emity)  Salt River Project  Street Address  P. O. Box 52025	Facility Name or Company Site Identifier: as addressed as a supplementation and addressed as a supplementatio
City State ZIP Code	Page ÄZ 22000
Phoenix AZ 85072	
Maricopa Phone Number (Include Avea Code)	Coconino Munoparty
(602) 236~5900	Give the deographic local on of tanks if required by State by degrees, minutes, and seconds. Examples Lat 12 No. Long 85 24 17W $-40N-09E-Sec-5$ Latiflude Longitude

, . . .

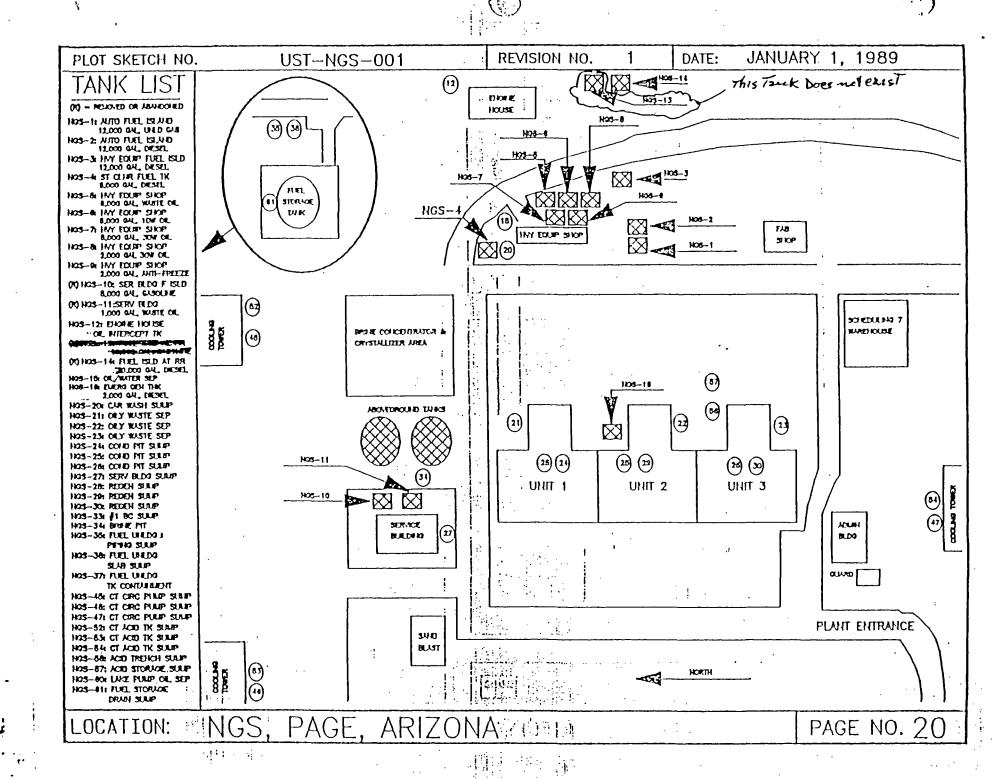
FAC. ID#	

### NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHIET

1.	Draw a facility map identifying the tanks and associated piping,
	include major structures (buildings, roads, etc.). Indicate North or
	your drawing.

2.	Do you have any additional comments? All Truks (UST) have been
	removed AT This Facility -
	NES-13 was reported but did not exist - NES-14 bound
	To be a 20,800 gallon instead of 10,000 gallon

ADEQ/UST Supp.



III. TYPE OF OWNER			IV. INDIAN LANDS				
☐ Federal Go	ernment	☐ Commercial ☐ Private	Tanks are located on la Reservation or on othe Tanks are owned by na tribe, or individual	r trust lands.	□	Tribe or Nation: Navajo	
			V. TYPE OF FACILIT	Υ			
					<del></del>	-	
Select the Appr	opriate Facility De	scription					
Gas Station			Local Government Contractor				
Petroleum Distributor			State Government Trucking/Transport				
Air Taxi (Airline)			Federal - Non-Military <u>x</u> Utilities				
Aircraft Owner			Federal - Military Residential				
Auto Dealership			Commercial		Farm		
Railroad			Other (Explain)				
		VI. CONT	ACT PERSON IN CHAR	GE OF TANKS			
Name	Job Tit	ile	Address		Phon	e Number (Include Area Code)	
			Navajo G	Generatino	; Stati	ion (602) 645-881	
Greq Be	njamin Sur	pervisor, E	_		·		
		VII	. FINANCIAL RESPONS	IBILITY			
		I have met the fina accordance with 4	ancial responsibility requi 0 CFR Subpart H	rements in			
Check All that A	— — — — — Apply						
Self Insurance		ļ	Guarantee	1	Sta	ite Funds	
Commercial Insurance			Surety Bond	, - , [	Trust Fund		
Risk Retention Group			1		ner Method Allowed Specify		
		!	2 2010 0 0 0 0 0	1		memoe , memoe epoem,	
		l l					
		1		1			
		VIII. CERTIFICATI	ON (Read and sign after	completing all si	ections)	·	
documents, and	that based on my		dividuals immediately res			ted in this and all attached information, I believe that the	
Name and offici	al title of owner orized representati	Signa	ture of in a	1		Date Signed	
	, manabék	(1 1111 <i>)</i>	my /	lary		11/22/51	
gathering and n Chief, Informati "Attention Desk	naintaining the data on Policy Branch F Officer for EPA." 1	a needed and comp PM-223, U.S. Enviro	onmental Protection Ager ne previous notification to	form. Send com ncy, 401 M Stree	ments rega et, Washing	arding this burden estimate to	
			,				

IX. DESCRIPTION OF UND	ERGROUND STO	PRAGE TANKS (C	omplete for each t	ank at this location	i.)
Tank Identification Number	Tank No NGS1	Tank No NGS2	Tank No.NGS3	Tank No. NGS4	Tank No.NGS5
Status of Tank (mark only one) Currently in Use					
Temporarily Out of Use					
(Remember to Ni out section IX.)					
Permanently Out of Use	x	<u>x</u>	x	<u>x</u>	х
Amendment of Information					
2. Date of Installation	1978	1978	1978	1978	1978
3. Estimated Total Capacity (gallons)	12,000	12,000	12,000	5,000	6,000
4. Material of Construction	,				
(Mark all that apply)					
Asphault Coated or Bare Steel	x	x	х	x	<u>x</u>
Cathodiacally Protected Steel	x	x	x	x	<u>x</u>
Epoxy Coated Steel					
Composite (Steel with Fiberglass)					
Fiberglass Reinforced Plastic					
Lined Interior					
Double Walled					
Polyethylene Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, Please Specify					
Has tank been repaired?	No	No	No	No	No
5. Piping (Material) (Mark all that apply) Bare Steel					
Galvanized Steel					i
Fiberglass Reinforced Plastic					
Copper					
Cathodically Protected	x	x	x	x	X
Double Walled					
Secondary Containment					
Unknown					
Other, Please Specify	Vrapped	Wrapped	Wrapped	Wrapped	Wrapped
	Steel_	_Steel	Steel	<u>Steel</u>	Steel
6. Piping (Type) (Mark all that apply)					
Suction: no valve at tank					
Suction: valve at tank					
Pressure	х	х	х	x	
Gravity Fed					x
Has piping been repaired?					

Tank Identification Number	Tank No. GS1	Tank NoNGS2	Tank No. NGS 3	Tank NoNGS4	Tank No. NGS 5
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please Specify	X	x	x	x	x
Hazardous Substance CERCLA name and/or, CAS number					
Mixture of Substances Please Specify					
X	TANKS OUT OF I	JSE, OR CHANGE	IN SERVICE		
Closing of Tank     A. Estimated date last used     (mo./day/year)	10/1/91	10/1/91	9/24/91	9/2/90	9/22/91
B. Estimate date tank closed (mo./day/year)	10/2/51	10/2/91	9/25/91	9/4/9/	9/23/91
C. Tank was removed from ground  D. Tank was closed in ground  E. Tank filled with inert material  Describe			X		
F. Change in service	:				
2. Site Assessment Completed	x	х	VN Progress		In Progress
Evidence of a leak detected	No	No	No	No	No

_

XI.CERTIFICATION OF COMPLIANCE (COMPLETE FOR ALL NEW AND UPGRADED TANKS AT THIS LOCATION)					
Tank Identification Number	Tank No. NGS1	Tank No. NGS 2	Tank No. GS3	Tank No. 1954	Tank No. NGS5
Installation     A. Installer certified by tank and piping manufacturers     B. Installer certified or licensed by the implementing agency     C. Installation inspected by a registered engineer     D. Installation inspected and approved by implementing agency     E. Manufacturer's installation checklists have been completed     F. Another method allowed by State agency. Please specify.	x	x	x	x	x
2. Release Detection (Mark all that apply)  A. Manual tank gauging  B. Tank tightness testing  C. Inventory controls  D. Automatic tank gauging  E. Vapor monitoring  F. Groundwater monitoring  G. Interstitial monitoring double walled tank/piping  H. Interstitial monitoring/secondary containment  I. Automatic line leak detectors  J. Line tightness testing  K. Other method allowed by Implementing Agency. Please Specify.	TANK PIPING  X X X X X X X X X X X X X X X X X X	TANK PIPING  X X X X X X X X X X X X X X X X X X	TANK PIPING  X X X X X X X X X X X X X X X X X X	TANK PIPING  X X X X X X X X X X X X X X X X X X	TANK PIPING
3. Spill and Overfill Protection  A. Overfill device installed  B. Spill device installed  OATH: I certify the the information concerning Installer:    Duy Leary   Name   MANAGER - TANKS + H   Position		- Gun	Lean	best of my belief a	ind knowledge.  1//22/5/ _Date

#### Tank Release Report

<u>Facility Name:</u> Navajo Generating Station

Date: November 22, 1991

Location: Page, Arizona

Tank Designation: NGS-6

Contents and Capacity: 5,000 gallon 10W lubricating oil

Nature of Release: Spillage and overfills.

Regulated Substance Released: Lubricating oil.

Quantity of Release: Unknown.

Period of Time Over Which Release Occurred: Unknown.

## Action Taken (as of Report Date):

The tank and surrounding soils were excavated and removed on September 23, 1991 and the soils stockpiled on site. During tank removal, soil samples were collected from beneath the north and south ends of the tank at an approximate depth of 12 feet below grade. The soil samples were submitted for TPHC analysis by EPA Method 418.1.

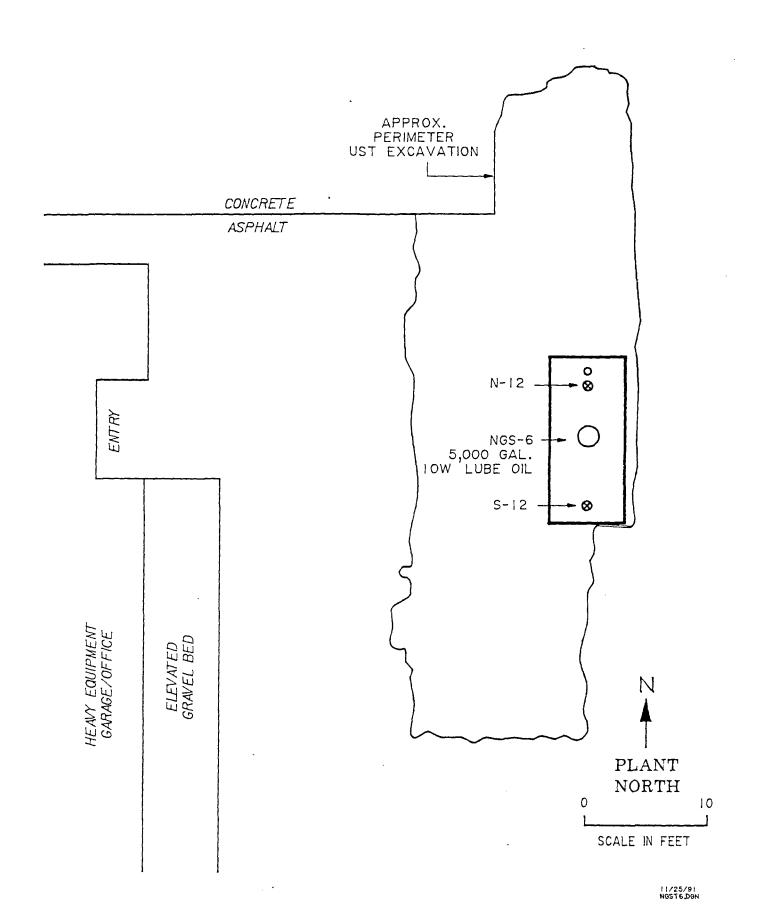
Soil samples collected from immediately beneath the tank detected 1100 mg/kg TPHC beneath the south end of the tank. No significant soil contamination was detected beneath the north end of the tank.

The tank was tested tight on June 21, 1988. No visible sign of tank failure was observed upon tank removal. Based on these observations and the soil sampling results, it is concluded that the observed soil contamination resulted from spillage or overfilling during the operational life of the tank. The vertical extent of contamination has not been verified. Due to the number of lubricating oil tanks located in the same excavation, it is possible that the positive detection of petroleum hydrocarbons beneath the tank originated from spills from an adjacent tank.

#### Action Anticipated:

A follow-up investigation, to define the vertical extent of contamination, is recommended. A soil boring would be advanced to collect subsurface soil samples from beneath the north and south ends of the former tank location. Soil samples would be submitted for analysis by EPA Method 418.1.

FIGURE 8 NGS-6



### ##################################	Received: 09/24/91	10/04/91 14:06:41		
ATTEN ATTEN PHONE CONTACT MURFHY  CLICKT SESCINGS SAMPLES 13  CONTACT MURFHY  CLICKT SESCINGS SAMPLES 13  CONTACT MURFHY  CONT	PERCET RAIT SINES PROJECT	PREFARED	$O \cup I$	
ATTEN			<del></del>	
ATTEN			G. H.	
ATTEN	2573		CERTIFIED BY	
CONTACT   RUSFRY	<b>とすてに</b> )	ATTEN:		
CLIENT SECTION   SAMPLES   13	B L ( C )	FULLE	CONTACT WHICH DV	
NOSA, ID NOS USI CLOSUSE	THIRT BEESTALD . 5/		CONTRCT BOARM	
### ##################################				
#05A, ID NGS UST_CLOSURE TAKEN DENNIS_SMIRLEY TRAMS N90_45771-02 TYPE 71.00 F.C. # ThyDide under separate cover  SAMPLE IDENTIFICATION TEST CODES and NAMES used on this workerder 11 MSS-5_SOUTH 12 MSS-5_SOUTH 13 MSS-5_SOUTH 14 MSS-5_SOUTH (13') 15 MSS-5_SOUTH (13') 16 MSS-7_SOUTH 17 MSS-8_SOUTH 18 MSS-7_SOUTH 18 MSS-7_SOUTH 18 MSS-7_SOUTH 19 MSS-7_S				
TAKEN DENNIS SHIRLEY TRAME N9W-49731-02 TIPE 71300 F.C. #  INCIDE Under Separate cover  SAMPLE IDENTIFICATION TEST CODES and NAMES used on this workorder  1 MSS-5 SOUTH FUELFF FUEL FINGERPRINT THE TOT PETROLEUM HYDORCARBONS NGS-5 SOUTH (131) VGA2 8010/8020  4 NGS-5 SOUTH (131) NGS-7 NORTH NGS-7 NORTH NGS-7 SOUTH NGS-7 SOUTH NGS-8 EAST NGS-8 EAST NGS-8 EAST NGS-9 KEST NGS-7 SOUTH NGS-7 SOUTH NGS-8 EAST NGS-8 FEST NG	SCILII'			
TAKEN DENNIS SMIRLEY  TRANS N9W-48771-02  TIPE 71300  F.C. #  TAKEN DENNIS SMIRLEY  TRANS N9W-48771-02  TIPE 71300  F.C. #  TAKEN DENNIS SMIRLEY  TO PETROLEUM HYDDROARBONS  TO NOS-5 SOUTH (121)  MOS-5 SOUTH (121)  MOS-5 SOUTH (131)  MOS-7 NORTH  MOS-7 NORTH  MOS-7 NORTH  MOS-8 MOS-8  MOS-8 MOS-8  MOS-9 EMST  NOS-9 EMST  NOS-9 EMST  NOS-6 MOS-7 MORTH  MOS-7 MOS-8  MOS-7 MOS-8  MOS-7 MOS-8  MOS-8 MOS-1  MOS-8 MOS-7  MOS-8 MOS-1  MOS-8 MOS-7  MOS-8 MOS-1  MOS-8 MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  MOS-8  M				
TAKEN DENKIS SHIFLEY TRANS N90-48731-02 TYPE 71300 F.3. # TINUTICE under separate cover  SAMPLE IDENTIFICATION TEST CODES and NAMES used on this workorder 12 NSS-5 SOUTH FUELFF FUEL FINGERPRINT 12 NSS-5 NORTH 13 NSS-5 SOUTH (13') 14 NSS-5 SOUTH (13') 15 NSS-7 NORTH 15 NSS-7 NORTH 15 NSS-7 SOUTH 17 NSS-8 EAST 18 NSS-7 SEST 18 NSS-7 SEST 18 NSS-7 SEST 18 NSS-7 SEST 18 NSS-8 EAST 18 NSS-8 CENTER (NORTH END)				
TRAME N9M-48731-02  TYPE 71300  F.C. #  INCOMES under separate cover  SAMPLE IDENTIFICATION  TEST CODES and NAMES used on this workorder  11 MSS-5 SEVIN FUELFF FUEL FINGERPRINT  12 MSS-5 NORTH FUELFF FUEL FINGERPRINT  13 MSS-5 SOUTH (13')  14 MSS-5 SOUTH (13')  15 MSS-7 NORTH  16 MSS-7 NORTH  17 MSS-9 EAST  18 MSS-7 SAST  18 MSS-7 SAST  18 MSS-8 LEST  18 MSS-8 LESTER (NORTH END)  2 MSS-14 MSS SEVIN END	WORK ID NGS UST CLOSURE	· · · <del>· · · · · · · · · · ·</del>		
TYPE 7:30) F.C. # TN.0305 under separate cover  SAMPLE IDENTIFICATION  TEST CODES and NAMES used on this workorder  1 MSS-5 SCUTH  MSS-5 SCUTH  MSS-5 SCUTH  MSS-1 SCUTH (13')  MSS-7 SCUTH (13')  MSS-7 SCUTH  MSS-8 MSS-7 SCUTH  MSS-8 MSS-7 SCUTH  MSS-8 MSS-7 MSST  MSS-8 MSST  MSS-8 MSST  MSS-8 MSS-8 M	TAKEN DENNIS SHIRLEY			
TEST CODES and NAMES used on this workorder	TRANS N90-48721-02	· · · · · · · · · · · · · · · · · · ·		
SAMPLE   IDENTIFICATION   TEST CODES and NAMES used on this workerder				
SAMPLE   IDENTIFICATION   TEST CODES and NAMES used on this workerder	- F.E. ∳			
SAMPLE IDENTIFICATION  11 NSS-5 SOUTH 12 NSS-5 NOATH 13 NSS-5 SOUTH (127) 14 NSS-5 SOUTH (127) 15 NSS-7 NOATH 16 NSS-7 NOATH 17 NSS-8 NAST 18 NSS-8 NAST 18 NSS-8 NAST 19 NSS-9 NAST 19 NSS-5 CENTER (NORTH END) 2 NSS-14 UST SOUTH END	INCIDE under separate cover			
3 Ad2114 US4 MUX15 FAU	11 MGG=4 GDOTH	FUELFF FUEL FINGERFRINT	_	
	02 MSS-5 MORTH 03 MSS-5 SOUTH (13") 04 MSS-5 SOUTH (13") 05 MSS-7 MORTH 05 MSS-7 SOUTH 07 MSS-8 EAST 08 MSS-6 WEST 09 MSS-9 WEST 01 MSS-9 WEST 01 MSS-5 CENTER (MORTH END)		<u>-</u>	
	12 NSS-5 NORTH 13 NSS-5 SOUTH (131) 14 NSS-5 SOUTH (131) 15 NSS-7 NORTH 15 NSS-7 SOUTH 17 NSS-8 EAST 18 NSS-8 WEST 19 NSS-9 MEST 1 NSS-5 CENTER (NORTH END) 2 NSS-14 UST SOUTH END			
	12 MSS-5 MORTH 13 MSS-5 SOUTH (131) 14 MSS-5 SOUTH (131) 15 MSS-7 MORTH 15 MSS-7 SOUTH 17 MSS-8 EAST 18 MSS-8 MEST 18 MSS-9 MEST 1 MSS-5 CENTER (MORTH END) 2 MSS-14 UST SOUTH END			
	12 MSS-5 MORTH 13 MSS-5 SOUTH (131) 14 MSS-5 SOUTH (131) 15 MSS-7 MORTH 15 MSS-7 SOUTH 17 MSS-8 EAST 18 MSS-8 MEST 19 MSS-9 MEST 1 MSS-5 CENTER (MORTH END) 2 MSS-14 UST SOUTH END			
	1 NSS-5 NORTH 15 NSS-5 SQUTH (131) 4 NSS-5 SQUTH (131) 5 NSS-7 NORTH 5 NSS-7 SQUTH 7 NSS-8 EAST 8 NSS-6 NEST 9 NSS-5 EAST 0 NSS-9 NEST 1 MSS-5 CENTER (NORTH END) 2 NSS-14 UST SQUTH END			
	1 NSS-5 NORTH 15 NSS-5 SQUTH (131) 4 NSS-5 SQUTH (131) 5 NSS-7 NORTH 5 NSS-7 SQUTH 7 NSS-8 EAST 8 NSS-6 NEST 9 NSS-5 EAST 0 NSS-9 NEST 1 MSS-5 CENTER (NORTH END) 2 NSS-14 UST SQUTH END			

SRP WO LAR REPORT Work Order # 91-09-070 Fage 4 Results by Sample Received: 09/24/91 SAMPLE ID NGS-6 SOUTH SAMPLE # 01 FRACTIONS: A Date & Time Collected 09/23/91 15:08:00 Category | TPHC _____1100 MS/85 1 BANALE 10 NGS-6 NORTH SAMPLE # 02 FRACTIONS: A Date & Time Collected 09/23/91 14:59:00 Dategory | TPHC_______82 MS/KG I SAMPLE ID NGS-5 SOUTH (13") SAMPLE # 03 FRACTIONS: A.B Date & Tize Collected 09/23/91 15:35:00 Category

1 TPHC ______ 58000

## SRP

Salt River Project

CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona 85072-2025 ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

Page of Z

Project:			Char	ge No:	No of	FIEL	D DATA	AWALYSIS
NGS UST Clos	sure			48731-02		FLOW NO3	TEMP EC PH	(8.1
Project Manager/Contact:  M, K & VO DA		Phone:   3142	Cost	Center: 33580	0		· c	
Sampler(s) Signature		1 / 10			t a	GPM		4 777 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 Chist . In	2				i	CFS		
Sample 10	Date Collected	Time Collected	Matrix	Lab ID No.	2	Crs		FOA
NGS-6 SOUTH	19/2/9	1508	Soil	91-09-070	(			XIIIII
NGS-6 NORTH	l (Í	1459	, t	a	/			XIIII
NGS-5 SOUTH (13')	L*	1535	( )	03	1			XXX
NGS-5 SOUTA (16')	,,	1553	11	ox	1			XXX
NGS-7 NORTH	11	1445	((	05	1			$\times$
NGS-7 SOUTH	11	1437	l1	06	1			$X \mid I \mid I \mid I$
NGS-8 EAST	v!	1440	1,	0)	1			$\times$
NGS-8 WEST	1,	1431	((	03	1	RECEIV	ED	$\times$
NGS-9 EAST	('	1440	11	09	/	SEP 2 4	1991	X
NGS-9 WEST	9/23/91	1425	5010	10	1	Laboratory & Field	d Solvices	X
		1				Emironmental		
Relinquished By: (s) gnayurè)	24/91 7:	Received Received	ved By: (sign	ature) 1161161	<u></u>	Date   Time   1/2/491   180	Remarks: Expe	edite Leglod in
Relinquished By: (Signature)	Date Ti		ved By: (sign			Date Time	$\int E^{\prime}P$	2 dit e tealed clocky A 418.) - cra
Relinquished By: (signature)	Date   Ii	me Receiv	ved By: (sign	ature)		Date Time		xhyles-

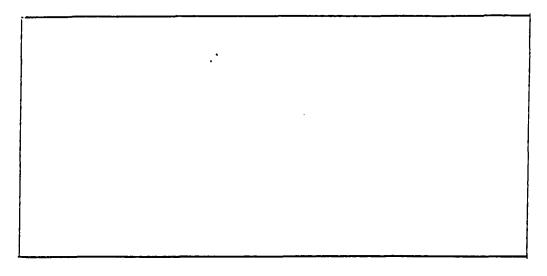
Notification for Underground Storage T	anks	STATE USE ONLY	
State Agency Name and Address	D. T. T.	ID NUMBER	
ARIZONA DEPARIMENT OF ENVIRONMENTAL QU  TYPE OF NOTIFICATION	MILTY	DATE RECEIVED	
		A. Date Entered Into Computer	
☐ A. NEW FACILITY ☑ B. AMENDED	C. CLOSURE	B. Data Entry Clerk Initials	
No. of tanks at facility No. of continua	ation sheets attached	C. Owner Was Contacted to	
INSTRUCTIONS		Clarify Responses. Comments	
Please type or print in ink all items except "signature" must be completed for each location containing undergromore than five (5) tanks are owned at this location, photosheets, and staple continuation sheets to the form.	ound storage tanks. If		
GENE	RAL INFORMATI	ON	
have been used to store regulated substances since January 1, 1984 are in the ground as of May 8, 1986, or that are brought into use after 1986. The information requested is required by Section 9002 of the R Conservation and Recovery Act, (RCRA), as amended.  The primary purpose of this notification program is to locate and evaluation underground tanks that store or have stored petroleum or hazardous subsit is expected that the information you provide will be based on reasonable available records, or in the absence of such records, your knowledge, belief collection.  Who Must Notify? Section 9002 of RCRA, as amended, requires that exempted, owners of underground tanks that store regulated substances notify designated State or local agencies of the existence of their tanks. Comeans—  a) in the case of an underground storage tank in use on November 8, brought into use after that date, any person who owns an underground stotank used for the storage, use, or dispensing of regulated substances, and b) in the case of any underground storage tank in use before Novemb 1984, but no longer is use on that date, any person who owned such tank immediately before the discontinuation of its use.  c) if the State agency so requires, any facility that has undergone any to facility information or tank system status.  What Tanks Are Included? Underground storage tank is defined as or combination of tanks that (1) is used to contain an accumulation of "regisubstances," and (2) whose volume (including connected underground pin 10% or more beneath the ground. Some examples are underground tanks in Gasoline, used oil, or desel fuel, and 2, industrial solvents, pesticioes, nerbicides or furnigants.  What Tanks Are Excluded?  Other tanks excluded from notification are:  1. farm or residential tanks of 1,100 gallons or less capacity used for smotor fuel for noncommercial purposes;  2. tanks used for storing heating oil for consumptive use on the premisurer storec;  3. septic tanks;	May 8, esource  5. surface 6. storm with resource 6. storm services and surface of the surface o	ty Act of 1968, or the Hazardous Liquid Pipeline Safety Act of trastate pipeline facility regulated under State laws:  impoundments, pits, ponds, or lagoons;  vater or waste water collection systems;  rough process tanks;  raps or associated gathering lines directly related to oil or gas and gathering operations;  a tanks situated in an underground area (such as a basement drift, shaft, or funnel) if the storage tank is situate upon or ablition.  betances are Covered? The notification requirements apply be tanks that contain regulated substances. This includes any fined as hazardous in section 101 (14) of the Comprehensive all Response, Compensation and Liability act of 1980 (CERCL of those substances regulated as hazardous waste under State of the contains of temperature and pressure (60 degrees Fands per square inch absolute).  Notify? Send completed forms to:  Thrent of Environmental Quality  Central Avenue, Room 300  Anizona 85004  Notify? 1. Owners of underground storage tanks in use or trut of operation after January 1, 1974, but still in the ground, in 86. 2. Owners who bring underground storage tanks into use it notify within 30 days of bringing the tanks into use, 3. If the state in the production of any amenoments to facility send information to State and the subject to a civil penalty not to exceed \$10,000 for the notification is not given or for which false information.	to under to
i. OWNERSHIP OF TANK(S)		II. LOCATION OF TANK(S)	
Courser Name (Corporation, Individual Public Agency, or Other Emity)  Salt River Project  Street Address  P. O. Box 52025	Nava Street Address IF	Company Site Memoria as applicable  jo Generating Station  Fo Bor not acceptable  les East of Page, AZ	
City State ZIP Code	Cny Dag	<u>~</u> ∴7\17	2 soce
Phoenix AZ 85072	Pag		8604
Maricopa Prone Number (Include Avea Code)	County COC	onino	
(602) 236-5900	Give the peographic 12 N Long 85 24 1		_a: ±2 36

. . .

FAC.	ID#		

## NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHIET

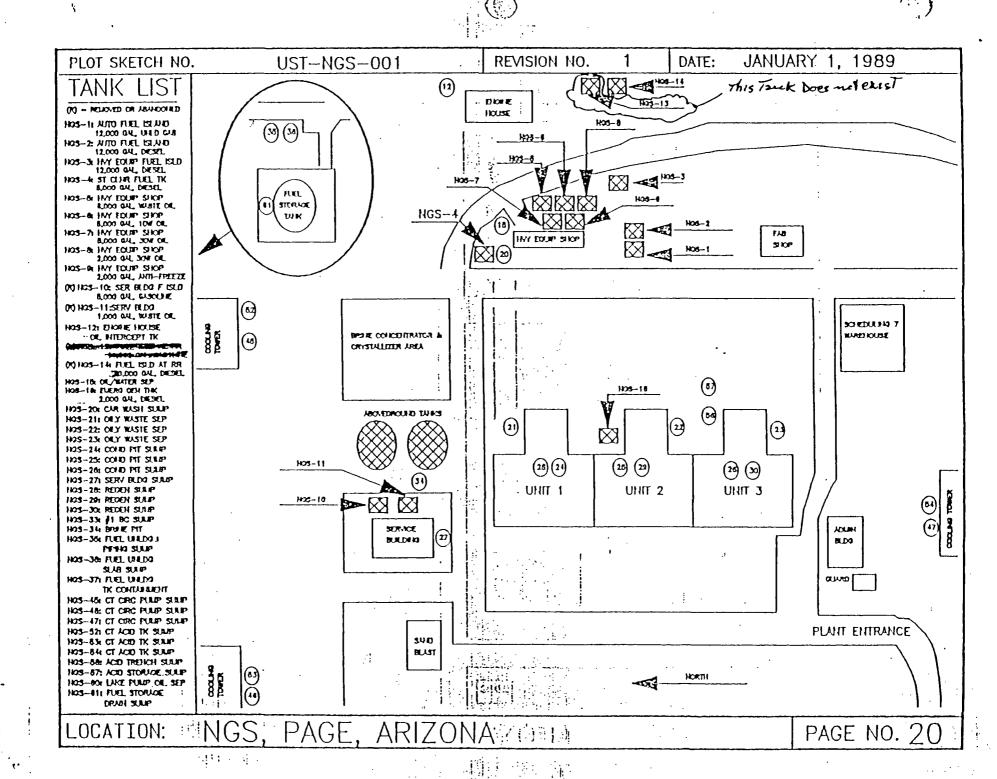
 Draw a facility map identifying the tanks and associated piping, include major structures (buildings, roads, etc.). Indicate North on your drawing.



2. Do you have any additional comments? All Trucks (UST) have been temoved AT This Freility 
NES-13 was reported but did not exist - NES-14 found

To be a 20,800 gollon instead of 10,000 gollon

ADEQ/UST Supp.



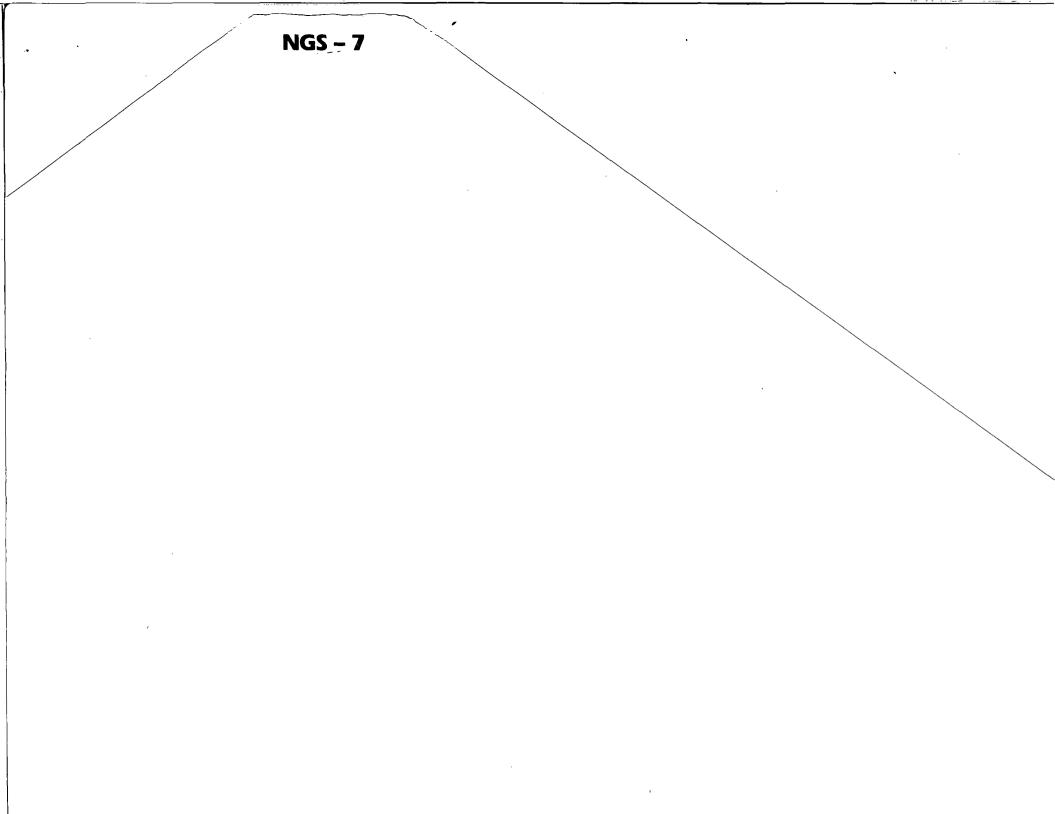
III. TYPE OF OWN	IER	IV. INDIAN LANDS				
☐ Federal Gov't. ☐ State Government ☐ Local Government	☐ Commercial ☐ Private	Tanks are located on lan Reservation or on other Tanks are owned by nati tribe, or individual	trust lands.	Tribe or Nation: Navajo		
		V. TYPE OF FACILITY		<u> </u>		
		<u> </u>				
Select the Appropriate Facility De	escription		•			
Gas Station		Local Government	Contr	actor		
Petroleum Distribut	or	State Government	Truck	ing/Transport		
Air Taxi (Airline)		Federal - Non-Military	_x_ Utilitie	es		
Aircraft Owner		Federal - Military	Resid	lential		
Auto Dealership		Commercial	Farm			
Railroad	_	Industrial	Other	(Explain)		
	VI. CONT	TACT PERSON IN CHARG	E OF TANKS			
Name Job T	itle	Address	Pho	ne Number (Include Area Code)		
		Navajo Ge	enerating Stat	ion (602) 645-88]		
Greg Benjamin Su	pervisor, E	Ingineering				
	VI	I. FINANCIAL RESPONSIE	BILITY			
		ancial responsibility require 40 CFR Subpart H	ments in			
Check All that Apply						
Self Insurance		Guarantee	¦ 🗀 si	ate Funds		
Commercial Insurance		Surety Bond	Тг	ust Fund		
Risk Retention Group		Letter of Credit	o	ther Method Allowed Specify		
	!	,	ļ	•		
	1		[ ·			
	! !		i			
	VIII. CERTIFICATI	ON (Read and sign after c	ompleting all sections)			
I certify under penalty of law that documents, and that based on m submitted information is true,accu	y inquiry of those in	dividuals immediately resp	ith the information submi	tted in this and all attached information, I believe that the		
Name and official title of owner or owner's authorized representa	Signative (Print)	ature Jun 1	2	Date Signed		
Duy Leary, MANALER,		100	xary	11/22/51		
EPA estimates public reporting bigathering and maintaining the dathering the chief, Information Policy Branch "Attention Desk Officer for EPA." editions of this notification form materials.	ta needed and com PM-223, U.S. Enviro This form amends t	pleting and reviewing the fo onmental Protection Agend he previous notification for	orm. Send comments reg sy, 401 M Street, Washin	larding this burden estimate to gton D.C. 20460, marked		
			•			

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)						
Tank Identification Number	Tank No. NGS6	Tank NoNGS7	Tank No. NGS8	Tank No. NGS9	Tank No. NGS10	
Status of Tank (mark only one) Currently in Use						
Temporarily Out of Use						
(Remember to M out section IX.) Permanently Out of Use	x	х	x	x	х	
(Remember to fill out section (X.)						
Amendment of Information						
2. Date of Installation	1978	1978	1978	1978	1971	
3. Estimated Total Capacity (gallons)	5,000	5,000	2,000	2,000	1,000	
4. Material of Construction						
(Mark all that apply)						
Asphault Coated or Bare Steel	x	x	x	x	x	
Cathodiacally Protected Steel	х	х	х	х	х	
Epoxy Coated Steel						
Composite (Steel with Fiberglass)						
Fiberglass Reinforced Plastic						
Lined Interior						
Double Walled						
Polyethylene Tank Jacket						
Concrete				<u></u>		
Excavation Liner						
Unknown						
Other, Please Specify						
Has tank been repaired?	No	No	No	No	No	
5. Piping (Material) (Mark all that apply)  Bare Steel						
Galvanized Steel					i	
Fiberglass Reinforced Plastic						
Copper						
Cathodically Protected	x	x	x	х	x	
Double Walled						
Secondary Containment		:				
Unknown						
Other, Please Specify	Wrapped	Wrapped	Wrapped	Wrapped	Wrapped	
	steel	steel	steel	steel	steel	
6. Piping (Type) (Mark all that apply)						
Suction: no valve at tank	x	X	x	x		
Suction: valve at tank					x	
Pressure						
Gravity Fed						
Has piping been repaired?					:	
piping been repaired:				!		

-

Tank Identification Number	Tank NoNGS6	Tank No.NGS7	Tank NoNGS8	Tank No NGS 9	Tank NoNGS10
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please Specify  Hazardous Substance CERCLA name and/or, CAS number	Motor oil	Hydraulic Oil	Trans. Fluid	AntiFreez	x x
Mixture of Substances Please Specify					
X	. TANKS OUT OF U	SE, OR CHANGE	IN SERVICE		
Closing of Tank      A. Estimated date last used     (mo./day/year)	9/22/8/	9/22/91	9/22/91	9/22/91	01/01/77
B. Estimate date tank closed (mo./day/year)	9/23/91	9/23/91	9/23/91	9/23/91	01/01/77
C. Tank was removed from ground  D. Tank was closed in ground  E. Tank filled with inert material  Describe	X		X	X	X
F. Change in service					
2. Site Assessment Completed	IN Progress	IN Propres:	IN Progress	In Progress	InProgress
Evidence of a leak detected	No	No	No	No	No

Tank Identification Number	Tank No.NGS6	Tank No.NGS7	Tank No.NGS8	Tank No.NGS9	Tank No. NGS
1. Installation					
A. Installer certified by tank and piping manufacturers					
<ul> <li>B. Installer certified or licensed by the implementing agency</li> </ul>					
<ul> <li>C. Installation inspected by a registered engineer</li> </ul>	Х	X	X	x	х
<ul> <li>D. Installation inspected and approved by implementing agency</li> </ul>					
Manufacturer's installation check- lists have been completed					
F. Another method allowed by State agency. Please specify.					
2. Release Detection (Mark all that apply)	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPIN
A. Manual tank gauging	x	x	x	x	
B. Tank tightness testing	x	x	X_	<u>x</u>	
C. Inventory controls	x	x	x	<u>x</u>	
D. Automatic tank gauging					
E. Vapor monitoring					
F. Groundwater monitoring					
<ul> <li>G. Interstitial monitoring double walled tank/piping</li> </ul>					
<ul> <li>H. Interstitial monitoring/secondary containment</li> </ul>					
I. Automatic line leak detectors				<u> </u>	·
J. Line tightness testing					i i
K. Other method allowed by Implementing Agency. Please Specify.	x	<u>x</u>	X	<u>x</u>	
3. Spill and Overfill Protection					
A. Overfill device installed					-
B. Spill device installed					· 
OATH: I certify the the information concerning the large that the	ng installation that is	Bury	Lion		nd knowledge. リノンングタ
MANAGER- MANKS +	HUAC DESILA	serves	SAGI	Company	20, ECT



#### Tank Release Report

Facility Name: Navajo Generating Station

Date: November 22, 1991

Location: Page, Arizona

Tank Designation: NGS-7

Contents and Capacity: 5,000 gallon 30W lubricating oil

Nature of Release: Spillage and overfills.

Regulated Substance Released: Lubricating oil.

Quantity of Release: Unknown.

Period of Time Over Which Release Occurred: Unknown.

## Action Taken (as of Report Date):

The tank and surrounding soils were excavated and removed on September 23, 1991 and the soils stockpiled on site. During tank removal, soil samples were collected from beneath the north and south ends of the tank at an approximate depth of 12 feet below grade. The soil samples were submitted TPHC analysis by EPA Method 418.1.

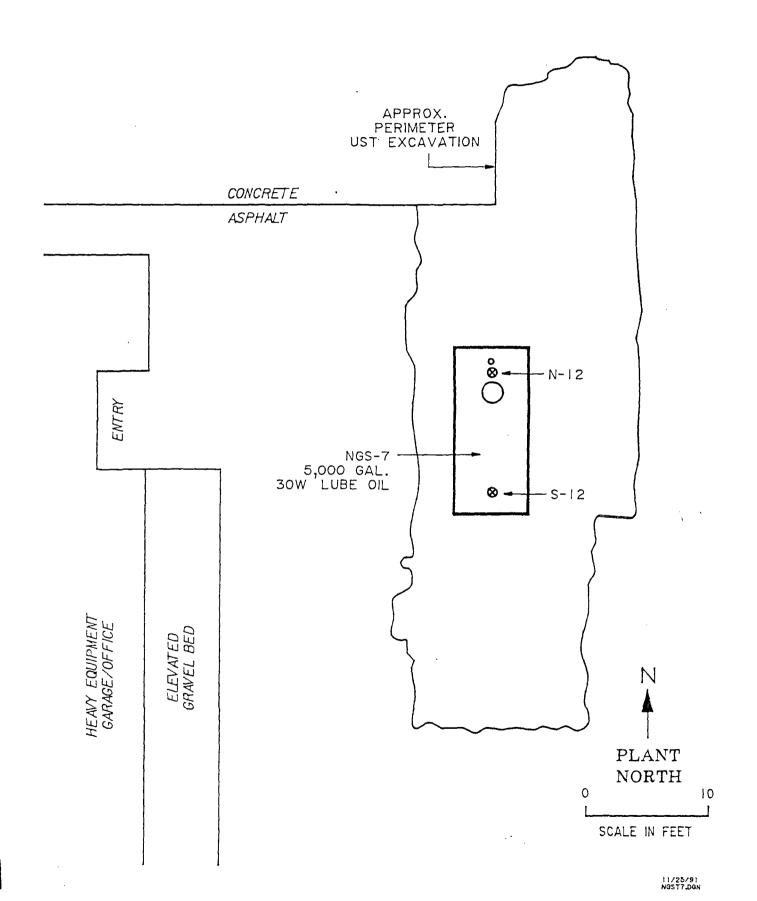
Soil samples collected from immediately beneath the tank indicate levels of petroleum contamination ranging from 20,000 to 31,000 mg/kg TPHC.

The tank was tested tight on June 21, 1988. No visible sign of failure was observed upon tank removal. Based on the available information, it is concluded that the observed soil contamination resulted from spillage or overfilling during the operational life of the tank. The vertical extent of contamination has not been verified. Due to the number of lubricating oil tanks located in the same excavation, it is possible that the positive detection of petroleum hydrocarbons beneath the tank originated from spills from an adjacent tank.

## Action Anticipated:

A follow-up investigation, to define the vertical extent of contamination, is recommended. A soil boring would be advanced to collect subsurface soil samples from beneath the north and south ends of the former tank location. Soil samples would be submitted for analysis by EPA Method 418.1.

FIGURE 9 NGS-7



WOSK 1D NGS UST CLOSURE  TAKEN PENKIS SHIPLEY  TRAIS N90-45721-0C  TYPE 11200  F.O. #  INCOICE Under separate cover  SAMPLE IDENTIFICATION  TEST CODES and NAMES used on this workerder  1 MSS-5 SOUTH  FUELFP FUEL FINGERPRINT  I MSS-6 NORTH  NSS-5 SOUTH (15')  VOA2 3010/8020  4 MSS-5 SOUTH (15')  MSS-7 NORTH  4 MSS-7 NORTH  5 MSS-7 NORTH  7 MSS-8 EAST  8 ASS-8 MEST  7 MSS-8 EAST  8 ASS-8 MEST  7 MSS-9 EAST  1 MSS-8 CENTER (NORTH END)  2 MSS-12 SOUTH END	age 1 Received:	SRP NO 09/24/91		REPORT 14:06:41	Work Order # 91-09-070
ATTEM PHONE CONTACT MURPHY  CLICAT SECTIALS SAMPLES 13  IDMRANY SAP  ACLITY  WORK ID NOS USI CLOSURE  TAKEN DENNIS SHIRLEY TRANS NYM-15731-0C TYPE 1000  F.O. #  INCICE Under separate cover  SAMPLE IDENTIFICATION TEST CODES and NAMES used on this workerder  1 MSS-6 SQUTH FUELFF FUEL FINGERFRINT  I MSS-6 SQUTH THE TOTO TOT PETROLEUM HYDORCARBONS  3 MSS-5 SQUTH (13) VOA2 3010/8020  4 MSS-7 SQUTH (13)  5 MSS-7 SQUTH  6 MSS-7 SQUTH  7 MSS-8 EAST  8 MSS-8 MSSI  8 MSS-8 MSSI  9 MSS-9 MSSI  9 MSS-9 MSSI  1 MSS-5 CENTER (MSRTH END)  1 MSS-6 CENTER (MSRTH END)  1 MSS-8 CENTER (MSRTH END)  1 MSS-8 CENTER (MSRTH END)	70 j	HILDA MARCHETTI	FREFARED BY		= 211.
CURTACT SPECIALS   SAMPLES 13	•		- ATTEN		
DESPANS   SAFE			PHONE _		CONTACT MURPHY
### WORK 1D NOS USI CLOSURE  TAKEN DENNIS SHIRLEY  TRANS N90-45731-02  TYPE 71303  F.C. #  INVOICE Under separate cover   SAMPLE IDENTIFICATION  TEST CODES and NAMES used on this workorder  PURSS-5 SOUTH  FUELFP FUEL FINGERPRINT  THIC TOT PETROLEUM MYDORCARBONS  MSS-5 SOUTH (13 )  MSS-7 SOUTH (13 )  MSS-7 SOUTH (13 )  MSS-7 SOUTH  MSS-8 EAST  MSS-8 EAST  MSS-9 EAST  MSS-9 EAST  MSS-9 EAST  MSS-9 WEST  MSS-9 WEST  MSS-1 SOUTH (13 )	IDMPANY :	20.	··		·
TAKEN PENNIS SHIRLEY TRANS N99-45731-02 TYPE 71300  F.O. # TAVOICE under separate cover  SAMPLE IDENTIFICATION  TEST CODES and NAMES used on this workorder  FULLEF FULL FINGERFRINT  THIC TOT PETROLEUM HYDORCARBONS  NSS-8 SCUTH (13')  NSS-8 SCUTH (13')  NSS-7 NORTH  SEST-7 NORTH  SEST-7 NORTH  NSS-8 EAST  NSS-8 WEST  NSS-9 WEST  NSS-9 WEST  NSS-9 WEST  NSS-9 WEST  NSS-9 WEST  NSS-1 CENTER (NSSTH END)  NSS-1 CENTER (NSSTH END)  NSS-1 CENTER (NSSTH END)	'ACILITY				
TRAMS N90-45731-00  TYPE 11200  F.C. #  INVESCE Under separate cover  SAMPLE IDENTIFICATION  TEST CODES and NAMES used on this workorder  1 MSS-5 SQUTH  FUELFF FUEL FINGERPRINT  I MSS-6 NORTH  MSS-7 SQUTH (13)  NOS-7 SQUTH (13)  NOS-8 EAST  NOS-8 EAST  NOS-8 EAST  NOS-9 MEST  MSS-5 SENTER (NORTH END)  NOS-9 MEST  MSS-5 SENTER (NORTH END)  NOS-14 NOS SQUTH (NORTH END)  NOS-14 NOS SQUTH (NORTH END)			_		
TYPE T1000  F.D. # INVESCE Under Separate cover  SAMPLE IDENTIFICATION  SAMPLE IDENTIFICATION  FUELFP FUEL FINGERPRINT  TOT PETROLEUM HYDORCARBONS  SENSE SOUTH (121)  VOA2 3010/8020  VOA2 3010/8020  VOA3 SEST SOUTH (131)  SENSE SOUTH (131)		15 . 15331 OF			
SAMPLE   IDENTIFICATION   TEST CODES and NAMES used on this workerder		. 3	-	•	
SAMPLE   IDENTIFICATION   TEST CODES and NAMES used on this workerder	F.3. #				
	1 N58-6 9 1 N58-6 N 1 N58-6 N 1 N58-7 N 1 N58-7 N 1 N58-7 N 1 N58-8 H 1 N58-7 N 1 N58-8 H 1 N58-5 C 1 N58-14	OUTH FUEL ORTH TPHO CUTH (13') VOA2 OUTH (15') ORTH OUTH AST EST EST ENTER (NORTH END)	FP FUEL FING	ERFRINT LEUM HYDORCARBONS	
					÷
1					
1					

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REPORT

Work Order # 91-09-070

Fage 10 Received: 09/24/91

Results by Sample

SAMPLE III	NGS-7 NORTH	SAMPLE # 05 FRACTIONS: A	
		Date & Time Collected 09/23/91 14:45:00	Category
TPHC	31000		
	M671.8		
25H2 E 15	NGS-7 SDUTH	SAMPLE # 06 FRACTIONS: A	
SHINGE ID	N65 7 300 III	Date & Time Collected 09/23/91 14:37:00	Cateoory
TPHC	20000		;
	MS/16		
544515 15	NOD O PART		
SARFLE 10	NGS-8 EAST	SAMPLE # 07 FRACTIONS: A	Category
		Date & Time Collected 09/23/91 14:40:00	category
TPHC	20000		
	MB/VB		
SAMPLE ID	NGS-8 WEST	SAMPLE # QB FRACTIONS: A	
		Date & Time Collected 09/23/91 14:31:00	Category
TOUC	27/44/		i
TPHC	73000 73775		i 1
	·· <del>···································</del>		
SAMPLE ID	NGS-9 EAST	SAMPLE # 09 FRACTIONS: A	
	,	Date & Time Collected 09/23/91 14:40:00	Category
			•
TPHC			1
	M87K5		
<del></del>			·,
EAMFLE IF	NGS-9 WEST	SAMPLE # 10 FRACTIONS: A	
<b></b>		Date & Time Collected 09/23/91 14:25:00	Category
		***************************************	
TPHC			}
	ភិទ្ធិ ករ <b>ទ</b>		
5685 5 17	NCC_5 CENTED (PORTH END)	EARDIE & 11 EDARTIONS, A D	<del></del> .
SHUTLE 11	NGS-5 CENTER (NORTH END)	SAMPLE * 11 FRACTIONS: A.B Bate & Time Collected 09/24/91 08:20:00	Pataoney
		Sett a line collected (17/24/71 05:20:00	, ,
TPHC	7 <b></b> 6		· !
	76 		, !

SRP

Salt River Project

## CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona 85072-2025 ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

Page 1 of Z

Project:		Charge No:	No of	FIELD DATA	ANALYSIS
NGS UST Clo	<del></del>			FLOW NO3 TEMP EC	/6.1
Project Manager/Contact:  M, KE VODA	Phone: 3142	Cost Center:	o n	/ N • c	4 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Sampler(s) Signature  .	27	·	a i n e	GPM	EPA 801.
Sample ID	Date Time Man Collected Collected	trix Lab ID No.	r s		
NGS-6 SOUTH	19/2/9/1508 S	314 91-09-070	(		
NGS-6 NORTH	(1) 1459	11 02	/		
NGS-5 SOUTH (13')	it 1535	1, 03	1	•	
NGS-5 SOUTH (16)	" 1553 1	11 04	1		
NGS-7 NORTH	" 1445	11 05	1		
NGS-7 SOUTH	11 1437	11 06	1		
NGS-8 EAST	u 1440	0)	1		
NGS-8 WEST	1 143)	03	/	RECEIVED	
NGS-9 EAST	(' 1440 '	09/	/	SEP 2 4 1991	
NGS-9 WEST	9/25/9, 1425 50	011 12 1		Laboratory & Field Solvices	
	+ + + + + + + + + + + + + + + + + + + +		1	Emironmental Services	
Relinquished By: (s) (shayurè)	pate Time Received By 124/11 7:30 24/11	y: (signature) -40101101	_	Date Time Remarks:	Expedite Fundericed in EPA418. Jura
Relinquished By: (signature)		y: (signature)		Date   Time	EPAGIS.) cra
Relinquished By: (signature)	Date   Time   Received By	y: (signature)		Date Time	xky est

Notification for Underground Storage Tanks	STATE USE ONLY
SHIN AGONGY NAME AND ADDRESS.  ARIZONA DEPARIMENT OF ENVIRONMENTAL QUALITY	ID NUMBER
TYPE OF NOTIFICATION	DATE RECEIVED
	A. Date Entered Into Computer CLOSURE B. Date Enter Clock Initials
No. of tanks at facility No. of continuation she	B. Data Entry Clerk Initials
	Clarify Responses. Comments
INSTRUCTIONS	
Please type or print in ink all items except "signature" in section must be completed for each location containing underground store	
more than five (5) tanks are owned at this location, photocopy the sheets, and staple continuation sheets to the form.	
GENERAL II	IFORMATION
Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1984, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.  The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or in the absence of such records, your knowledge, belief, or recollection.  Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—  a) in the case of an underground storage tank in use on. November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and b) in the case of any underground storage tank in use before November 8, 1984, but no longer is use on that date, any person who owned such tank immediately before the discontinuation of its use. c) if the State agency so requires, any facility that has undergone any changes to facility information or tank system status.  What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground tanks storing: 1. Gasoline, used oil, or diesel fuel, and 2, industrial solvents, pesticides, herbicides or furnigants.  What Tanks Are Excluded? Other tanks excluded from notification are: 1. farm or residential tanks of 1,100 gallions or less capacity used for storing motor fuel for noncommercial purposes; 2. tanks used for storing heating oil for consu	4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Satety Act of 1968, or the Hazardous Liquid Pipeline Satety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;  5. surface impoundments, pits, ponds, or lagoons;  6. storm water or waste water collection systems;  7. flow-through process tanks;  8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;  9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situate upon or above the surface of the floor.  What Substances Are Covered? The notification requirements apply to under ground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response. Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subititle C of RCRA, it also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrennett and 14.7 pounds per square inch absolute).  Where To Notify? Send completed forms to:  AZ Department of Environmental Quality  2005 N. Central Avenue, Room 300  Phoenix, Arizona 85004  When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. Bust notify within 30 days of bringing the tanks into use 3, if the State requires notification of any amendments to facility send information to State agency immediately.  Penalities: Any owner who knowingly fails to notify or submits faise information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.
I. OWNERSHIP OF TANK(S)	II. LOCATION OF TANKIS)
Owner Name (Corporation incimidual Public Agency, or Other Emity)  Salt River Project  Street Address  P. O. Box 52025	facety Name or Company Site identifier, as applicable  Navajo Generating Station  Street Address IPO Box not acceptable:  5 miles East of Page, AZ
City State ZIP Cooe Phoenix AZ 85072	Page AZ 2:5000
County	Count Coconino
Maricopa Prone Number (Include Area Cooe)	COCONTINO
(602) 236-5900	Give the geographic location of tanks directing by State by degrees, minutes, and seconds. Examples Lat. 42, 36, 12 N Long, 85, 24, 17W, $40N$ , $09E$ , Sec. 5, Latitude Longitude

7. .

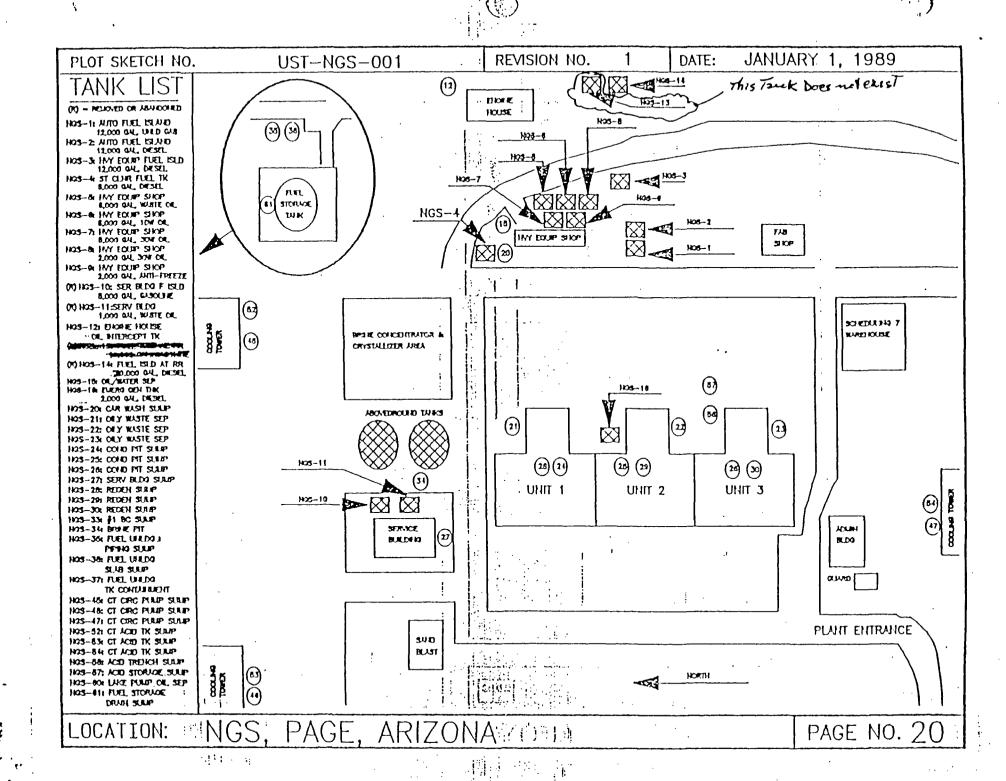
FAC.ID#	

# NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHLET

1.	Draw a facility map identifying the tanks and associated piping,
	include major structures (buildings, roads, etc.). Indicate North on
	your drawing.

ST - NES-14
1

ADEQ/UST Supp.



III. TYPE OF OWNER	IV	IV. INDIAN LANDS							
☐ Federal Gov't. ☐ Commen	Tanks are located on land within Reservation or on other trust land	ds. 🔀   Tribe or Nation:							
☐ State Government ☐ Private  ☐ State Government	Tanks are owned by native Amer tribe, or individual	ican nation, Navajo							
	V. TYPE OF FACILITY								
Select the Appropriate Facility Description									
Gas Station	Local Government	Contractor							
Petroleum Distributor	State Government	Trucking/Transport							
Air Taxi (Airline)	Federal - Non-Military	<u>x</u> Utilities							
Aircraft Owner	Federal - Military	Residential							
Auto Dealership	Commercial	Farm							
Railroad	Industrial	Other (Explain)							
VI.	CONTACT PERSON IN CHARGE OF TA	NKS							
Name Job Title	Address	Phone Number (Include Area Code)							
Navajo Generating Station (602) 645-8811  Greq Benjamin Supervisor, Engineering  VII. FINANCIAL RESPONSIBILITY									
	ne financial responsibility requirements in with 40 CFR Subpart H								
Check All that Apply									
Self Insurance	Guarantee	State Funds							
Commercial Insurance	Surety Bond	Trust Fund							
Risk Retention Group	Letter of Credit	Other Method Allowed Specify							
		1							
VIII. CERTIF	ICATION (Read and sign after completing	g all sections)							
I certify under penalty of law that I have person documents, and that based on my inquiry of the submitted information is true, accurate, and con	se individuals immediately responsible f								
Name and official title of owner or owner's authorized representative (Print)	Signature	Date Signed							
Ly Leany, manager,	My Llan	11/22/51							
EPA estimates public reporting burden for this of gathering and maintaining the data needed and Chief, Information Policy Branch PM-223, U.S. "Attention Desk Officer for EPA." This form ame editions of this notification form may be used w	completing and reviewing the form. Sen Environmental Protection Agency, 401 Nends the previous notification form as prin	d comments regarding this burden estimate to Street, Washington D.C. 20460, marked							

I

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)										
Tank Identification Number	Tank No. NGS6	Tank NdNGS7	Tank No. NGS8	Tank No. NGS9	Tank No. NGS1					
Status of Tank (mark only one) Currently in Use Temporarily Out of Use										
(Remember to fer out section IX.)  Permanently Out of Use (Remember to M out section IX.)	х	х	Х	x	х					
Amendment of Information										
2. Date of Installation	1978	1978	1978	1978	1971					
3. Estimated Total Capacity (gallons)	5,000	5,000	2,000	2,000	1,000					
4. Material of Construction										
(Mark all that apply)										
Asphault Coated or Bare Steel	<u>x</u>	<u>x</u>	x	x	x					
Cathodiacally Protected Steel	x	х	x	x	x					
Epoxy Coated Steel										
Composite (Steel with Fiberglass)										
- Fiberglass Reinforced Plastic										
Lined Interior										
Double Walled										
Polyethylene Tank Jacket										
Concrete										
Excavation Liner										
Unknown										
Other, Please Specify										
Has tank been repaired?	No	No	No	No	No					
5. Piping (Material) (Mark all that apply) Bare Steel										
Galvanized Steel										
Fiberglass Reinforced Plastic										
Copper										
Cathodically Protected	x	x	x	x	x					
Double Walled										
Secondary Containment										
Unknown										
Other, Please Specify	Wrapped_steel	Wrapped steel	Wrapped steel	Wrapped steel	Wrapped steel					
6. Piping (Type) (Mark all that apply)										
Suction: no valve at tank	x	x	х	x						
Suction: valve at tank					x					
Pressure										
Gravity Fed										
Has piping been repaired?										

ank Identification Number	Tank NoNGS6	Tank No.NGS7	Tank NoNGS8	Tank No.NGS9	Tank NoNGS
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline					
Diesel					<u>×</u>
Gasohol					
Kerosene					
Heating Oil					
Used Oil					
Other, Please Specify	Motor oil	<u>Hydraul</u> ic	Trans. Fluid	_AntiFree	z <u>e</u>
Hazardous Substance					
	:				
CERCLA name and/or, CAS number					
Mixture of Substances					
Please Specify					
X	. TANKS OUT OF U	SE, OR CHANGE	IN SERVICE		
1. Closing of Tank			2/ /	-/ (	. 1
<ul><li>A. Estimated date last used (mo./day/year)</li></ul>	9/22/91	9/22/9/	4/22/91	4/22/91	01/01/77
B. Estimate date tank closed (mo./day/year)	9/23/91	9/23/91	9/23/91	9/23/91	01/01/77
C. Tank was removed from ground	X	X	X	X	x
D. Tank was closed in ground					
E. Tank filled with inert material  Describe					
F. Change in service					
2. Site Assessment Completed	IN Progress	IN Pryses	IN Progress	In Progress	Infrequess
<u> </u>					

Cank Identification Number	Tank No.NGS6	Tank No.NGS7	Tank No.NGS8	Tank No.NGS9	Tank No.NGS1
I. Installation					
Installer certified by tank and piping manufacturers					
<ul> <li>B. Installer certified or licensed by the implementing agency</li> </ul>					
C. Installation inspected by a registered engineer	X	х	x	х	X
Installation inspected and approved by implementing agency					
E. Manufacturer's installation check- lists have been completed					
F. Another method allowed by State agency. Please specify.					
2. Release Detection (Mark all that apply)	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING
A. Manual tank gauging	x	х	x	x	
B. Tank tightness testing	X	x	x	x	
C. Inventory controls	X	x	x	X	
D. Automatic tank gauging					
E. Vapor monitoring					
F. Groundwater monitoring					
G. Interstitial monitoring double walled tank/piping					
H. Interstitial monitoring/secondary containment					
I. Automatic line leak detectors					
J. Line tightness testing				: :	
K. Other method allowed by Implementing Agency. Please Specify.	<u>x</u>	<u>x</u>	х.	<u>x</u>	
3. Spill and Overfill Protection					
A. Overfill device installed					
B. Spill device installed		<u> </u>	<u> </u>	·	<del></del>
DATH: I certify the the information concernin	g installation that is	Gun	Lion	pest of my belief ar	11/2451
Manager Manager	HUAL DESILO	serves 5	ignature S AGT	RIVER PR	Date
Position				Company	

#### Tank Release Report

Facility Name: Navajo Generating Station

Date: November 22, 1991

Location: Page, Arizona

Tank Designation: NGS-8

Contents and Capacity: 2,000 gallon 30W lubricating oil

Nature of Release: Spillage and overfills.

Regulated Substance Released: Lubricating oil.

Quantity of Release: Unknown.

Period of Time Over Which Release Occurred: Unknown.

### Action Taken (as of Report Date):

The tank and surrounding soils were excavated and removed on September 23, 1991 and the soils stockpiled on site. During tank removal, soil samples were collected from beneath the north and south ends of the tank at an approximate depth of 10 to 11 feet below grade. The soil samples were submitted for TPHC analysis by EPA Method 418.1.

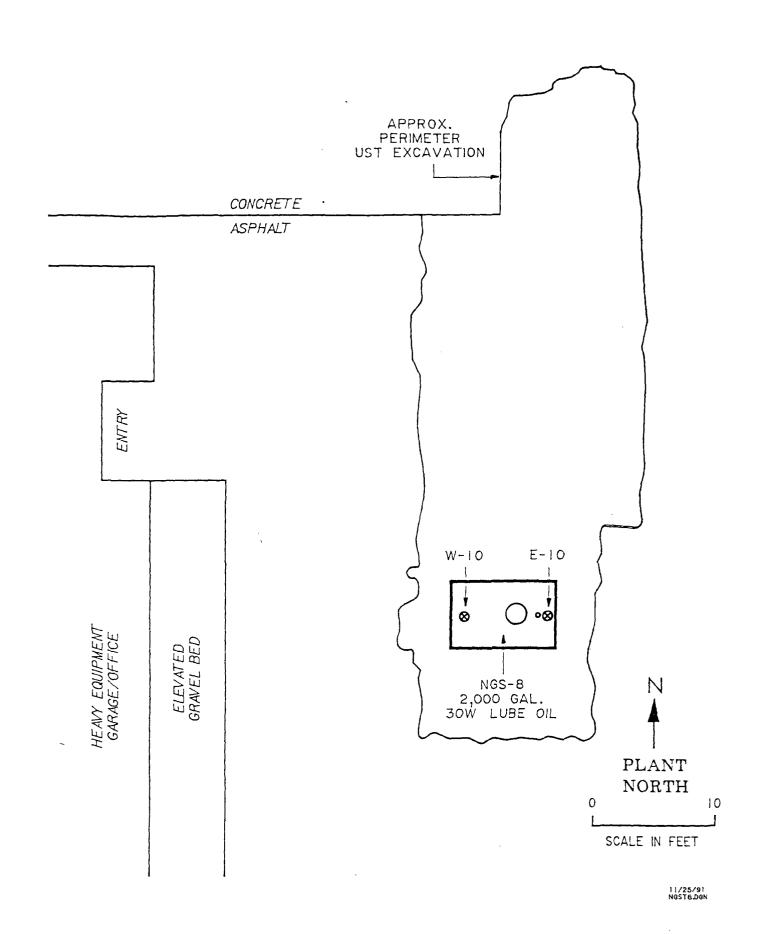
Soil samples collected from immediately beneath the tank detected levels of petroleum contamination ranging from 20,000 to 23,000 mg/kg TPHC.

The tank was tested tight on May 25, 1988. No visible signs of tank failure were observed upon tank removal. Based on these observations and the soil sampling results, it is concluded that the observed soil contamination resulted from spillage or overfilling during the operational life of the tank. The vertical extent of contamination has not been verified. Due to the number of lubricating oil tanks located in the same excavation, it is possible that the positive detection of petroleum hydrocarbons beneath the tank originated from spills from an adjacent tank.

## Action Anticipated:

A follow-up investigation, to define the vertical extent of contamination, is recommended. A soil boring would be advanced to collect subsurface soil samples from beneath the north and south ends of the former tank location. Soil samples would be submitted for analysis by EPA Method 418.1.

FIGURE 10 NGS-8



REPORT

Work Order # 91-09-070

Page 10 Received: 09/24/91

Results by Sample

. BAMPLE	11	NGS-7 NORTH	SAMPLE # 05 FRACTIONS: A Date & Time Collected 09/23/91 14:45:00	Catonory
;			pate a line collected 07723771 14.43.00	Caredol A
TFHC_				
<i>!</i>		MB/14.5		
		:	CAMBLE & AL EDACTIONS, A	
. SAMFLE i	11)	NGS-7 SOUTH	Date & Time Collected 09/23/91 14:37:00	Category
!				
: TPHC :		<u>20000</u> MS/F6		•
<i>!</i>				-
SAMPLE	<u> </u>	NGS-8 EAST	SAMPLE # 07 FRACTIONS: A	
i.			Date & Time Collected 09/23/91 14:40:00	Category
: ! TPHC		20000		
1		M6/86		
·				
i SAMPLE	IĐ	NGS-8 WEST		
i !			Date & Time Collected 09/23/91 14:31:00	Category
TPHC				
; 		M8/K8		
SAME: 5	7.7)	NGS-9 EAST	SAMPLE # 09 FRACTIONS: A	
. San es !	10	NOSTY ENSI	Date & Time Collected 09/23/91 14:40:00	Category
: TPHC		47000		
;				
<i>!</i>	_	<del></del>		
35M7-3	ID	NGS-9 WEST	SAMPLE # 10 FRACTIONS: A	
:			Date & Time Collected <u>09/23/91 14:25:00</u>	Category
TPHC				
· !		MB1/XB		
TARE T	7,5	NOC E CENTER (POST) CIT	CHECK ALL PRACTICUS AS	
: 68865ub 	15	NOS-3 CENTER (NURTH END)	SAMPLE * 11 FRACTIONS: A.B Bate & Time Collected 09/24/91 08:20:00	Category
:		7.		. 1
: 2H9T :		<u></u>		
/		·		

## SRP

Salt River Project

Post Office Box 52025 Phoenix, Arizona 85072-2025

## CHAIN OF CUSTODY RECORD/TRANSMITTAL

ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

Page 1 of Z

Project: Charge					No	NO FIELD DATA				ANALYSIS			
NGS UST Clos	ore	·	Ngo	1-48731-02		FLOW A	O3 TEMP	EC	рн	18.1			
Project Manager/Contact:  MIKE VODA	•	Phone:   3142	Cost	Center:	0		н • с		·	4 10	0	·	
Sampler(s) Signature  () China () .					t a i n e	GPM					EPA SO		
Sample ID	Date Collected	Time Collected	Matrix	Lab ID No.	r s					户面	用		
NGS-6 S0074	19/22/9	1508	Soil	191-09-070	(					XII			
NGS-6 NORTH	1	1459	ųι	02	1					X			
NGS-5 South (13')	L ^p	1535	(,	03	1					KK			
NGS-5 SOUTH (16')	,,	1553	11	l ox	1				· }	XX	$\times$		
NGS-7 NORTH	11	1445	11	05	1	-				$X \mid I$			
NGS-7 SOUTH	11	1437	l (	06	1					XI			
NGS-8 EAST	l ii	1440	١,	0)	1					11			
NGS-8 WEST	1	1431	((	08	1	RE	CEIVED	•	,	<u> </u>			
NGS-9 EAST	( '	1440	, i	09	1	SEI	24 19	91	,	X			
NGS-9 WEST	9/23/91	1425	5010	10	1	Laboraio	ry & Field So	viœs		XI			
						Emiro	nmental Sern						
Relinquished By: (s) gnayure)	1ace   Ti	Recei	ved By: saig	nature) //C/11/C/1-		9ate	Time 1	Remarks:	Xpe	dite	The restriction	1 in	
Relipquished By: (signature) Date Time Received By: (signature)						Dace	Time	f-	EP+	9418 ALA	Transportion Cos Sented Cos Oysen	tu	
Relinquished By: (signature) 0	ate li	me Recei	ved By: (sign	nature)		Date	Time			/ _} //\	chile C	25	

Longitude_

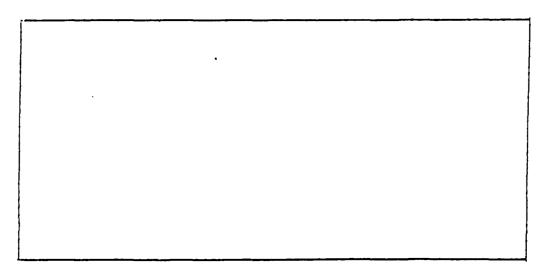
Notification for Underground Storage Tanks		STATE USE ONLY
SUBB AGENCY Name and Address ARTZONA DEPARTMENT OF ENVIRONMENTAL QUALITY		ID NUMBER
		DATE RECEIVED
TYPE OF NOTIFICATION		A. Date Entered Into Computer
☐ A. NEW FACILITY ☑ B. AMENDED ☑ C.	CLOSURE	B. Data Entry Clerk Initials
No. of tanks at facility No. of continuation sheet	ts attached	C. Owner Was Contacted to
INSTRUCTIONS		Clarify Responses. Comments
Please type or print in ink all items except "signature" in section must be completed for each location containing underground storage more than five (5) tanks are owned at this location, photocopy the fisheets, and staple continuation sheets to the form.	ge tanks. If	
GENERAL IN	FORMATIC	ON
Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1984, that are in the ground as of May 8, 1985, or that are brought into use after May 8, 1985. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.  The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or in the absence of such records, your knowledge, belief, or recollection.  Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—  a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and b) in the case of any underground storage tank in use before November 8, 1984, but no longer is use on that date, any person who owned such tank immediately before the discontinuation of its use.  c) if the State agency so requires, any facility that has undergone any changes to facility information of tank system status.  What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. Gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, netrocioses or furnigants.  What Tanks Are Excluded?  Other tanks excluded from notification are: 1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel f	Pipeline Sately which is an intraction in an intraction in a surface in 6. storm with 7. flow-three 8. liquid traction and 9. storage in mneworking, curiace of the 1 what Substance defit Environmental the exception RCRA. It also is liquid at standa and 14.7 pound where To AZ Depart 2005 N. Phoenix, when To been taken out by May 8, 1986, must require a notific immediately.  Penalties: information si	stances are Covered? The notification requirements apply to under a tanks that contain regulated substances. This includes any ned as hazardous in section 101 (14) of the Comprehensive Response. Compensation and Liability Act of 1980 (CERCLA), with of those substances regulated as hazardous waste under Subtitle Concludes petroleum, e.g., crude oil or any fraction thereof which is and conditions of temperature and pressure (60 degrees Fahrenheit dispersquare inch absolute).  Notify? Send completed forms to:  Thent of Environmental Quality  Central Avenue, Room 300  Arizona 85004  Notify? 1. Owners of underground storage tanks in use or that have to operation after January 1, 1974, but still in the ground, must note to operation after January 1, 1974, but still in the ground, must note 5. 2. Owners who bring underground storage tanks into use after Manotify within 30 days of bringing the tanks into use. 3. If the State faition of any amendments to facility send information to State agence.  Any owner who knowingly fails to notify or submits false that hat the subject to a civil penalty not to exceed \$10,000 for each in notification is not given or for which false information is
I. OWNERSHIP OF TANK(S)		II. LOCATION OF TANK(S)
Owner Name (Corboration, Individual Public Agency, or Other Entity)  Salt River Project  Street Ageress  P. O. Box 52025	Nava Street Address (F	ompany Sile koeminer, as applicable  jo Generating Station  O Bor not acceptable  Les East of Page, AZ
City State ZIP Code		
Phoenix AZ 85072	° Page	= AZ 2 8604
Maricopa	County	onino Municipality
Phone Number (Include: Area Code) (602) 236-5900		tocasion of tanks if required by Sigte by degrees, minutes, and seconds. Examples LA: 42-36.

Latitude ___

FAC.ID#	

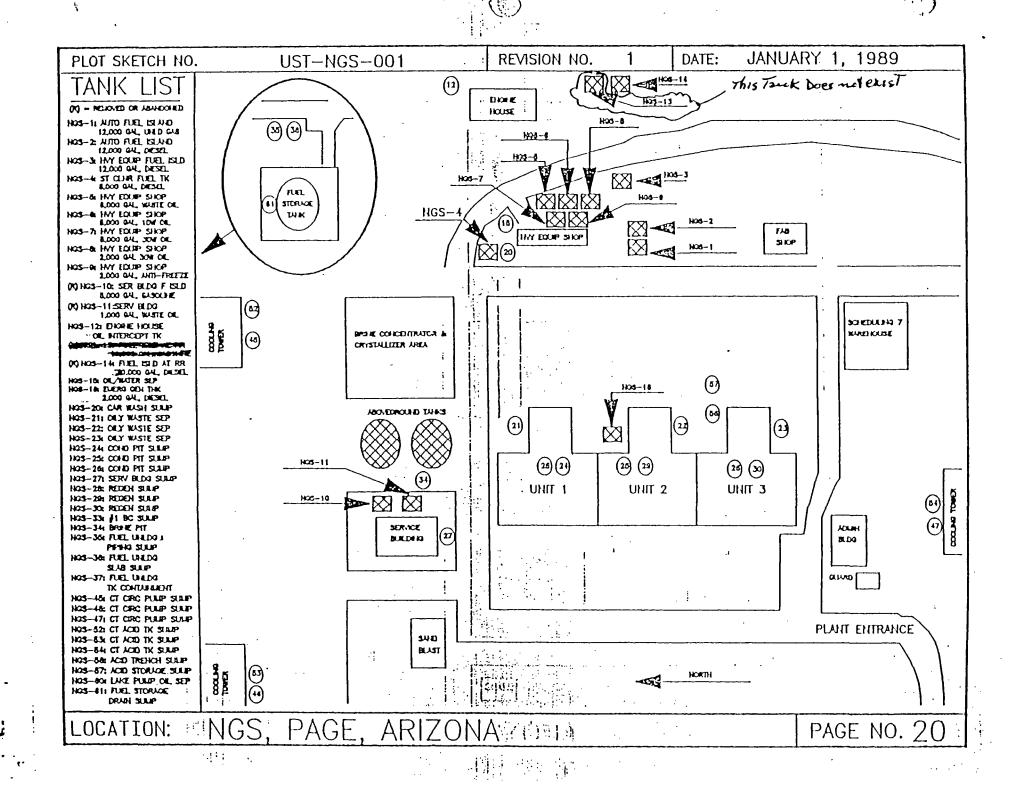
### NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHIET

1.	Draw a facility map iden	tifying the	tanks and	associated	piping,	
	include major structures	(buildings,	roads, et	c.). Indic	ate North	on
	your drawing.					



2.	Do you have any additional comments? Au Truks (UST) have been
	tenoved AT This Freility -
	NES-13 was reported but did not exist - NES-14 found
	To be a 20,000 gallon instead of 10,000 gallon

ADEQ/UST Supp.

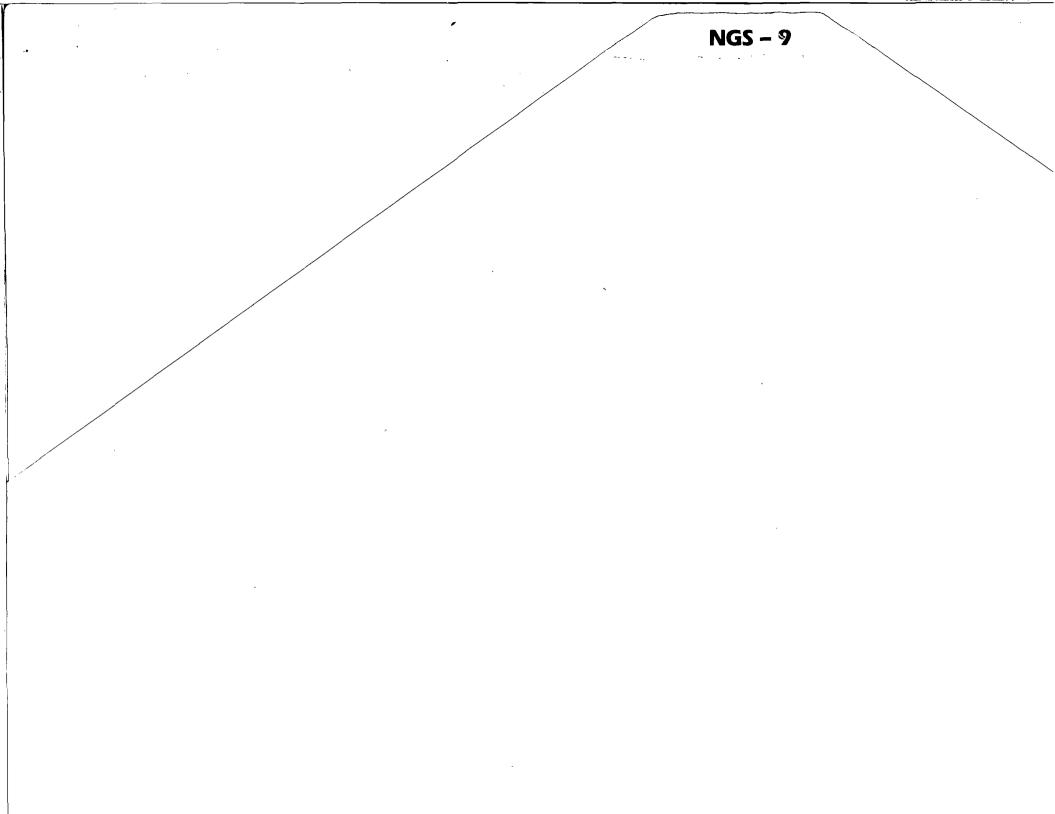


III. TYPE OF OWNER	IV. It	NDIAN LANDS
☐ Federal Gov't. ☐ Commercia ☐ State Government ☐ Private ☐ Local Government	Tanks are located on land within an Reservation or on other trust lands.  Tanks are owned by native America tribe, or individual	☑   Tribe or Nation:
	V. TYPE OF FACILITY	
Select the Appropriate Facility Description		•
Gas Station	Local Government	Contractor
Petroleum Distributor	State Government	Trucking/Transport
Air Taxi (Airline)	Federal - Non-Military	_x_ Utilities
Aircraft Owner	Federal - Military	Residential
Auto Dealership	Commercial	Farm
Railroad	Industrial	Other (Explain)
	<del>_</del>	
VI. CO	ONTACT PERSON IN CHARGE OF TANK	(S
Name Job Title	Address	Phone Number (Include Area Code)
	Navaio Generati	ng Station (602) 645-881
Greq Benjamin Supervisor,	Engineering	
	VII. FINANCIAL RESPONSIBILITY	
have	Ei-li-li	
	financial responsibility requirements in the first three transfer of the first transfer of trans	
Check All that Apply		1
Self Insurance	Guarantee	State Funds
Commercial Insurance	Surety Bond	Trust Fund
Risk Retention Group	Letter of Credit	Other Method Allowed Specify
İ		1
!		
VIII OFFICIO	ATION (Dead and size of the second size of the seco	the series of
VIII. CERTIFIC	ATION (Read and sign after completing a	ii sections)
I certify under penalty of law that I have personal documents, and that based on my inquiry of thos submitted information is true, accurate, and comp	e individuals immediately responsible for o	
	ignature 2	Date Signed
or owner's authorized representative (Print)	Dun Llan	11/22/51
Louy Leary, MANAGER,		1// ///
EPA estimates public reporting burden for this for gathering and maintaining the data needed and chief, Information Policy Branch PM-223, U.S. E. "Attention Desk Officer for EPA." This form amen editions of this notification form may be used while	completing and reviewing the form. Send on nvironmental Protection Agency, 401 M Sids the previous notification form as printer	comments regarding this burden estimate to treet, Washington D.C. 20460, marked

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)							
Tank Identification Number	Tank No. NGS 6	Tank NoNGS7	Tank No. NGS8	Tank No. NGS 9	Tank No. NGS10		
Status of Tank (mark only one) Currently in Use							
Temporarily Out of Use							
(Remember to hit out section IX.)							
Permanently Out of Use (Remember to MI out section (X.)	x	х	X	Х	х		
Amendment of Information							
2. Date of Installation	1978	1978	1978	1978	1971		
3. Estimated Total Capacity (gallons)	5,000	5,000	2,000	2,000	1,000		
4. Material of Construction							
(Mark all that apply)							
Asphault Coated or Bare Steel	x	x	x	x	<u> </u>		
Cathodiacally Protected Steel	х	х	х	x	x		
Epoxy Coated Steel							
Composite (Steel with Fiberglass)							
Fiberglass Reinforced Plastic							
Lined Interior							
Double Walled							
Polyethylene Tank Jacket							
Concrete							
Excavation Liner							
Unknown							
Other, Please Specify							
Has tank been repaired?	No	No	No	No	No		
5. Piping (Material) (Mark all that apply) Bare Steel							
Galvanized Steel					!		
Fiberglass Reinforced Plastic							
Copper							
Cathodically Protected	х	х	х	х	х		
Double Walled							
Secondary Containment		:					
Unknown							
Other, Please Specify	Wrapped steel	Wrapped steel	Wrapped steel	Wrapped steel	Wrapped steel		
6. Piping (Type)							
(Mark all that apply)			x	x			
Suction: no valve at tank	х	x					
Suction: valve at tank					X		
Pressure	<u>  </u>						
Gravity Fed				<u></u>			
Has piping been repaired?			l Li				

Tank Identification Number	Tank NoNGS6	Tank No.NGS7	Tank NoNGS8	Tank No NGS 9	Tank NoNGS10
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please Specify  Hazardous Substance CERCLA name and/or, CAS number	Motor oil	Hydraulic	Trans. Fluid	AntiFree	x x ze
Mixture of Substances Please Specify					
X	TANKS OUT OF U	SE, OR CHANGE	IN SERVICE	<del></del>	
Closing of Tank     A. Estimated date last used     (mo./day/year)	9/22/9/	9/22/91	9/22/91	9/22/91	01/01/77
B. Estimate date tank closed (mo./day/year)	9/23/91	9/23/91	9/23/91	9/23/91	01/01/77
C. Tank was removed from ground D. Tank was closed in ground E. Tank filled with inert material Describe  F. Change in service				X	X
2. Site Assessment Completed	IN Progress	IN Prysess	IN Progress	In Progress	InProgress
Evidence of a leak detected	No	No	No	No	No

Tank Identification Number	Tank N	<b>10.<u>NGS</u>6</b>	Tank N	0.NGS7	Tank N	lo.NGS8	Tank N	o.NGS9	Tank No	NGS1
1. Installation								<u> </u>		
A. Installer certified by tank and piping manufacturers										
<ul> <li>B. Installer certified or licensed by the implementing agency</li> </ul>										
<ul> <li>C. Installation inspected by a registered engineer</li> </ul>	x		x	:	x		X		X	
<ul> <li>D. Installation inspected and approved by implementing agency</li> </ul>										
<ul> <li>E. Manufacturer's installation check- lists have been completed</li> </ul>										
<ul> <li>F. Another method allowed by State agency. Please specify.</li> </ul>					Ĺ					
2. Release Detection (Mark all that apply)	TANK	PIPING	TANK	PIPING	TANK	PIPING	TANK	PIPING	TANK	PIPINO
A. Manual tank gauging	x		x		х		x	! ;		
B. Tank tightness testing	×		<u>x</u>		X		<u>x</u>			
C. Inventory controls	x		x		x		<u>x</u>			
D. Automatic tank gauging						 	<u></u>	l		
E. Vapor monitoring										
F. Groundwater monitoring										===
<ul> <li>G. Interstitial monitoring double walled tank/piping</li> </ul>										
<ul> <li>H. Interstitial monitoring/secondary containment</li> </ul>								!		! <del></del>
I. Automatic line leak detectors	<u> </u>	<u> </u>	Li		نــــا	<u> </u>		!	<del></del> -	
J. Line tightness testing										
K. Other method allowed by Implementing Agency. Please Specify.	<u>x</u>		X		<u>x</u>		<u>x</u>			
3. Spill and Overfill Protection				•						
A. Overfill device installed										
B. Spill device installed			<u> </u>					·		
OATH: I certify the the information concerning	g installa	tion that is	s provide	ed in sectio	on X is tr	ue to the b	est of m	y belief aı	nd knowle	edge.
Installer: Louy Leony	-		· /	Gun	2	بندو			11/24	151
Name MANAGER - MANAS +	4112	neu-		Si	gnature	SALT	Rusi	- - 01	<u>ئے ہے۔</u> Da سچیں درو	ite
Position	AVAC	063164	سمانو د	<b>L</b>		J 1184		mpany	W) E C	



#### Tank Release Report

Facility Name: Navajo Generating Station

Date: November 22, 1991

Location: Page, Arizona

<u>Tank Designation:</u> NGS-9

Contents and Capacity: 2,000 gallon anti-freeze

Nature of Release: Spills and overfills.

Regulated Substance Released: Unknown.

Ouantity of Release: Unknown.

Period of Time Over Which Release Occurred: Unknown.

#### Action Taken (as of Report Date):

The tank and surrounding soils were excavated and removed on September 23, 1991 and the soils stockpiled on site. During tank removal, soil samples were collected from beneath the east and west ends of the tank at an approximate depth of 10 feet below grade. The soil samples were submitted for TPHC analysis by EPA Method 418.1.

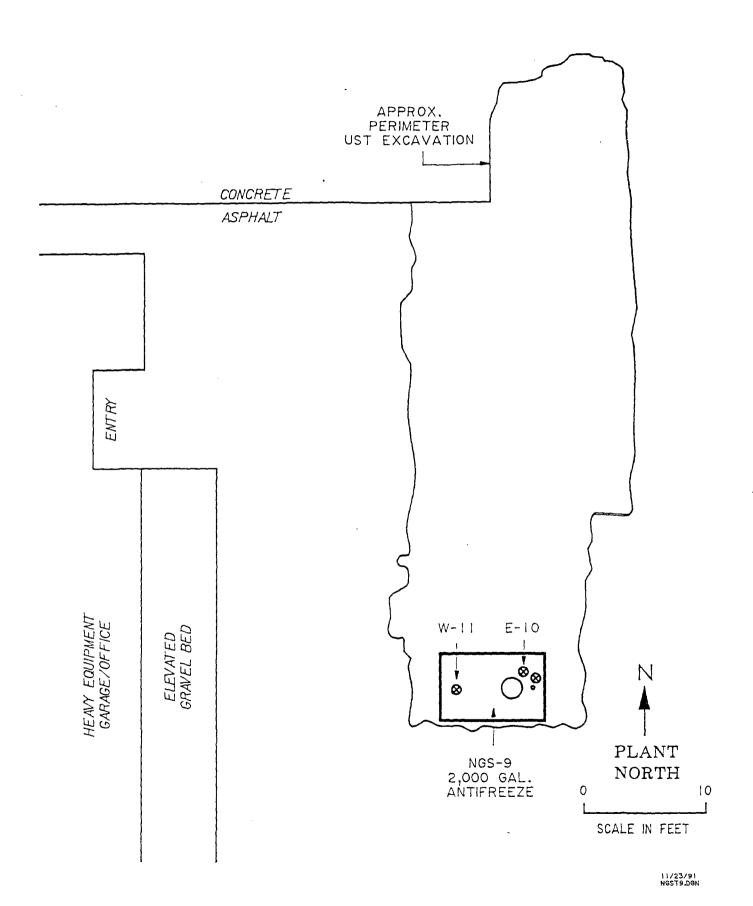
Soil samples collected from immediately beneath the tank detected levels of petroleum contamination ranging from 25,000 to 47,000 mg/kg TPHC.

The tank and line was tested tight on January 22, 1991. No visible signs of tank failure were observed upon tank removal. Based on these observations and the soil sampling results, it is concluded that the observed soil contamination resulted from spillage or overfilling during the operational life of the tank. The vertical extent of contamination has not been verified. Due to the number of lubricating oil tanks located in the same excavation, it is possible that the positive detection of petroleum hydrocarbons beneath the tank originated from spills from an adjacent tank.

### Action Anticipated:

A follow-up investigation, to define the vertical extent of contamination, is recommended. A soil boring would be advanced to collect subsurface soil samples from beneath the east and west ends of the former tank location. Soil samples would be submitted for analysis by EPA Method 418.1.

# FIGURE 11 NGS-9



SRP NO LAB REPORT Work Order # 91-09-070 Received: 09/24/91 10/04/91 14:06:41 REPORT SALT RIVER PROJECT PREFARED ______ TO HILDA MARCHETTI BY _____ SEF CERTIFIED BY ATTER ____ ATTEN CONTACT MUREHY PHONE _____ CLIENT SESCIALE SAMPLES 13 IOMPANY SEE FACILITY WORK IN NOS UST CLOSURE TAKEN DENNIS SHIRLEY TRANS N90-48701-00 TYPE 71300 F.S. # ThyCICE under separate cover SAMPLE IDENTIFICATION TEST CODES and NAMES used on this workorder 91 NGS-5 SOUTH FUELFP FUEL FINGERPRINT GZ NOS-S NORTH TPHE TOT PETROLEUM HYDORCARBONS 03 NSS-5 SCUTH (131) VDA2 3010/8020 04 NGS-5 SOUTH (15°) 05 NGS-7 NORTH OL NEE-7 SOUTH 07 YSS-8 EAST 68 N65-8 WEST 09 NOS-9 EAST 10 NOS-5 WEST 11 MGS-5 CENTER (NORTH END) 12 MSS-14 UST SOUTH END 13 NGS-14 UST NORTH END

Fage 10 Received: 09/24/91

Results by Sample

22 MELE 20	NGS-7 NORTH	SAMPLE	¥ 05	FRACTIONS: A	
25 0 22 32	NOS-7 NON-11			Collected 09/23/91 14:45:00	Catenory
		<b>D</b> 0 1 1 4		<u> </u>	
TOUC	74.000				
TPHC	76185 - 21000				
	Tio I we				
SAMPLE ID	NGS-7 SOUTH	SAMPLE	ŧ 06	FRACTIONS: A	
umin de 10	100 / 000111	Date &	7168	Collected 09/23/91 14:37:00	Category
		<b>D</b> 11 Q	1 1 2 7 2		
TPHC	26000				
11110	<u> </u>				
	1,077				
				•	
SAMPLE 10	NGS-8 EAST	SAMPLE	<b>#</b> <u>07</u>	FRACTIONS: A	
		Date &	Time	Collected 09/23/91 14:40:00	Category
TPHC					
	M6 /K6				
		<del></del>			
	<del></del>	54451.5			
SAMPLE ID	NGS-8 WEST				
		Date &	Time	Collected <u>09/23/91 14:31:00</u>	Category
*****	87446				
TPHC					
	M37K3				
5695: F 15	NGS-9 EAST	SAMPLE	<u> </u>	FRACTIONS: A	
C CC 15	105 / 1051			Collected 09/23/91 14:40:00	Patennry
		2311 1	1 1 10 6	01122111 <u>01720771 177.10700</u>	
TPHC	47000				
	·				
				1	
BAMFLE ID	NGS-9 WEST	SAMPLE	# 10	FRACTIONS: A	
		Date &	Time	Collected 09/23/91 14:25:00	Category
TPHC	25000				
	MB148				
PANS 5 TE	AIDE E DENTER (AIDETH FAIR)	CAUCA C	1 44	FEARTIBUE. A &	<del></del>
athrus 19	NGS-5 CENTER (NORTH END)				P-1
		DETE &	:10:0	Collected <u>09/24/91 08:20:00</u>	Lateocry
ายขก	71				
TPHC					
	1137 NB				
					<del></del>

SRP

Salt River Project
Post Office Box 52025
Phoenix, Arizona
85072-2025

## CHAIN OF CUSTODY RECORD/TRANSMITTAL

ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

Page 1 of Z

Project:			Char	ge No:	No of		FIELD D	ATA			AX	ALYSIS	
NGS UST Clos	sure	~	Ngo	-48731-02	,	FLOW NO	3 TEMP	EC	рн	18.1			
Project Manager/Contact:		Phone: 3142	Cost	center: 39380	o n			}	"	14/1			
Sampler(s) Signature		1 770	Ι ζ	30200	t	GPM				FIA	3 8		
Dhis D. Sh	2				i	CFS				FPH/I	1 1		
Sample ID	Date Collected	Time Na Collected	trix	Lab ID No.	r								
NGS-6 SOUTH	19/2/9	1508 5	311	91-09-070	(					XI			
NGS-6 NORTH	(1	1459	μ\ 	02	1					X			
NGS-5 SOUTH (13')	l,	1535	1,	03				<u> </u>		XX	X		
NGS-5 SOUTH (16')	,,	1553	) (	ox	1					XX	$\mathbb{X}$		
NGS-7 NORTH	11	1445	łŧ	05	1					X			
NGS-7 SOUTH	11	1437	l (	90	1					X			
NGS-8 EAST	ri .	1440	١,	07	1					X			
NGS-8 WEST	10	1431	l (	08	1	REC	CEIVE	þ		X			
NGS-9 EAST	('	1440	· Ţ	09	/	SEP	2 4 19	91		X			
NGS-9 WEST	9/23/91	1425 5	011	10	!	Laborator	& Field S	rvices		$\underline{\underline{\mathcal{M}}}$			
						Efricon	mental Serv						
Relinquished By: (s) (na vure)	Bare   Ti	me Received 8	y: saign	nature) //C///A/		9/2491 /	Time Bi	Remarks:	Expe	zdit.	1.2a	reser	ted in
Relinquished By: (signature)	Date   Ti		<del></del>			Date	Time	Remarks:	EP.	A41	8.7	vill C	coty
Relinquished By: (signature)	Date li	me Received B	r: (sign	ature)		Date	Time			/ )V	سربم	by l	est

Notification for Underground Storage Tanks	<del></del>	STATE USE ONLY			
Sues Agency have and Address					
ARIZONA DEPARIMENT OF ENVIRONMENTAL QUALITY	ID NUMBER				
TYPE OF NOTIFICATION		DATE RECEIVED			
☐ A. NEW FACILITY ☑ B. AMENDED ☑ C. (	CLOSURE	A. Date Entered Into Computer  B. Data Entry Clerk Initials			
No. of tanks at facilityNo. of continuation sheets	s attached	C. Owner Was Contacted to			
INSTRUCTIONS		Clarify Responses. Comments			
Please type or print in ink all items except "signature" in section must be completed for each location containing underground storage more than five (5) tanks are owned at this location, photocopy the formsheets, and staple continuation sheets to the form.	je tanks. If				
GENERAL INI	FORMATIC	N A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P			
Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1984, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.  The primary purpose of this notification program is to locate and evaluate underground tanks that store or nave stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or in the absence of such records, your knowledge, belief, or recollection.  Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—  a) in the case of an underground storage tank in use on. November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and b) in the case of any underground storage tank in use before November 8, 1984, but no longer is use on that date, any person who owned such tank immediately before the discontinuation of its use.  c) if the State agency so requires, any facility that has undergone any changes to facility information or tank system status.  What Tanks Are Included? Underground storage tank is defined as any one or combination or tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground tanks storing: 1. Gasoline, used oil, or diesel fuel, and 2, industnal solvents, pesticides, herbicides or turnigants.  What Tanks Are Excluded?  Other tanks excluded from notification are:  1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes:  2. tanks used for storing heating oil for con	Pipeline Salety which is an inti 5. surface 6. storm w. 7. flow-time 8. liquid tra production and 9. storage mineworking, consultates of the 1 What Subground storage substance defit Environmental the exception of RCRA. It also iliquid at standard 14.7 boun Where To AZ Depart 2005 N  Phoenix, When To I been taken our by May 8. 1986, must requires notific immediately.  Penalties: information s	facilities (including gathering lines) regulated under the Natural Gas Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or rastate pipeline facility regulated under State laws: impoundments, pits, ponds, or lagoons; after or waste water collection systems; bugh process tanks: pipe or associated gathering lines directly related to oil or gas a gathering operations; pipeline situated in an underground area (such as a basement, celiar, firit, shaft, or tunnel) if the storage tank is situate upon or above the linor stances Are Covered? The notification requirements apply to under a tanks that contain regulated substances. This includes any ned as hazardous in section 101 (14) of the Comprehensive Response, Compensation and Liability Act of 1980 (CERCLA), with of those substances regulated as hazardous waste under Subtitle C of includes petroleum, e.g., crude oil or any fraction thereof which is and conditions of temperature and pressure (60 degrees Fahrennelt disper square inch absolute).  Notify? Send completed forms to:  Intern of Environmental Quality  Central Avenue, Room 300  Acizona 85004  Notify? 1. Owners of underground storage tanks in use or that have to operation after January 1, 1974, but still in the ground, must notify 5, 2. Owners who bring underground storage tanks into use after May notify within 30 days of bringing the tanks into use, 3. If the State lation of any amendments to facility send information to State agency.  Any owner who knowingly fails to notify or submits false hall be subject to a civil penalty not to exceed \$10,000 for each in notification is not given or for which false information is			
I. OWNERSHIP OF TANK(S)		II. LOCATION OF TANK(S)			
Owner Name (Corporation Individual Public Agency, or Other Emity:  Salt River Project  Street Address P. O. Box 52025	Nava-	ompany Sile Boeriner, as applicable  jo Generating Station  O Bor not acceptable:  Les East of Page, AZ			
City State ZIP Good	City	State Zo zoce AZ O C O A (			
Phoenix AZ 85072	Page	Municipality			
Maricopa Prone Number (Incude: Area Code)	Coco	onino			
(602) 236-5900		ocation of tanks if required by State by begrees, minutes, and seconds. Examples Lat. 42, 35 by			

Latitude _

Longitude_

5. .

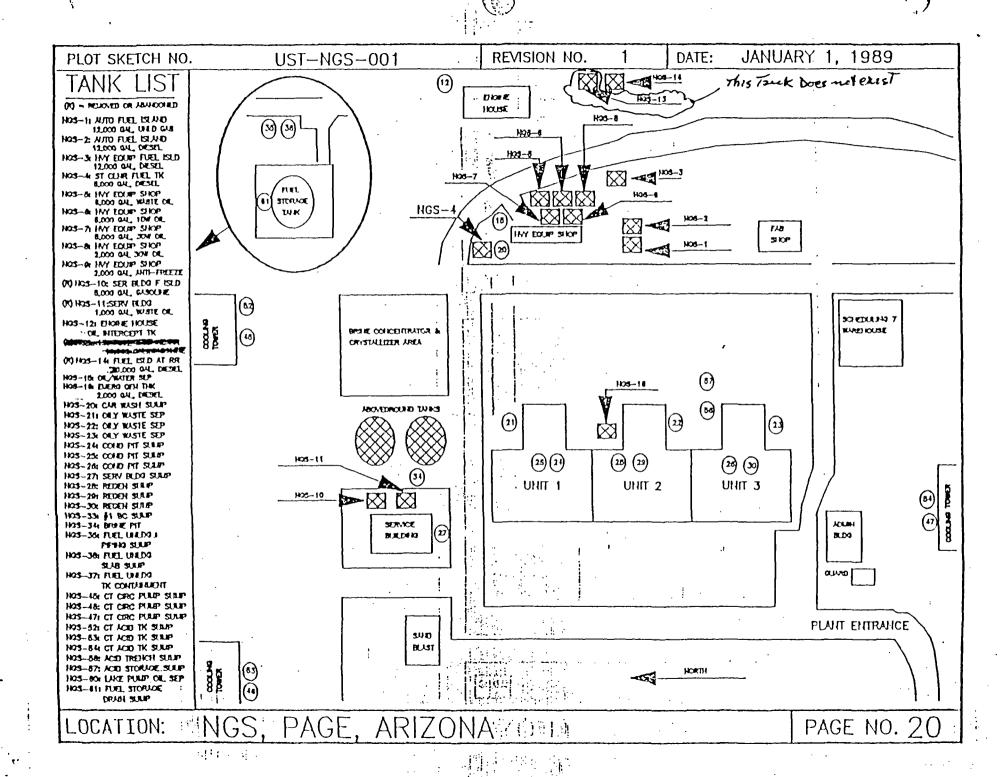
FAC.ID#	<u></u>	

### NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHIET

1.	Draw a facility map iden	tifying the tanks a	nd associated piping,
	include major structures your drawing.	(buildings, roads,	etc.). Indicate North on
	your mawing.		

2.	Do you have any additional comments? All Truks (UST) have be tenoved AT This Facility -	en
	NES-13 was reported but did not exist - NES-14	- four
	To be a 20,000 gallon instead of 10,000 gallon	•

ADEQ/UST Supp.



III. TYPE OF OWNER	IV.	INDIAN LANDS
☐ Federal Gov't. ☐ Comme ☐ State Government ☐ Private	Tanks are located on land within a Reservation or on other trust land:  Tanks are owned by native American are contact to the contact trust lands.	s. 🖫   Tribe or Nation:
☑ Local Government	tribe, or individual	
	V. TYPE OF FACILITY	
Select the Appropriate Facility Description		
Gas Station	Local Government	Contractor
Petroleum Distributor	State Government	Trucking/Transport
Air Taxi (Airline)	Federal - Non-Military	x_ Utilities
Aircraft Owner	Federal - Military	Residential
Auto Dealership	Commercial	Farm
Railroad	Industrial	Other (Explain)
VI	CONTACT PERSON IN CHARGE OF TAI	NKS
Name Job Title	Address	Phone Number (Include Area Code)
	Navajo Generat	ing Station (602) 645-881
Greg Benjamin Superviso	r, Engineering	
	VII. FINANCIAL RESPONSIBILITY	
l have met	the financial responsibility requirements in	
	e with 40 CFR Subpart H	
Check All that Apply	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
Self Insurance	Guarantee	I State Funds
Commercial Insurance	Surety Bond	Trust Fund
Risk Retention Group	Letter of Credit	Other Method Allowed Specify
1		
!		
ļ		
VIII. CERTI	FICATION (Read and sign after completing	all sections)
I certify under penalty of law that I have perso documents, and that based on my inquiry of the submitted information is true,accurate, and co	nose individuals immediately responsible fo	
Name and official title of owner or owner's authorized representative (Print)	Signature Sun Lan	Date Signed
Luy Leary, MANAGER,	of the	11/22/51
EPA estimates public reporting burden for this gathering and maintaining the data needed ar Chief, Information Policy Branch PM-223, U.S "Attention Desk Officer for EPA." This form an editions of this notification form may be used to	d completing and reviewing the form. Send Environmental Protection Agency, 401 M Lends the previous notification form as print	comments regarding this burden estimate to Street, Washington D.C. 20460, marked

IX. DESCRIPTION OF UND	ERGROUND STO	RAGE TANKS (C	omplete for each ta	ank at this location	1.)
Tank Identification Number	Tank No. NGS 6	Tank NoNGS7	Tank No. NGS8	Tank No. NGS 9	Tank No. NGS10
Status of Tank (mark only one) Currently in Use					
Temporarily Out of Use					
(Remember to this out section IX.)					
Permanently Out of Use (Remander to Na out section (X.)	×	Х	x	X	х
Amendment of Information					
2. Date of Installation	1978	1978	1978	1978	1971
3. Estimated Total Capacity (gallons)	5,000	5,000	2,000	2,000	1,000
4. Material of Construction	•				
(Mark all that apply)					
Asphault Coated or Bare Steel	<u> </u>	x			x
Cathodiacally Protected Steel	x	х	x	х	х
Epoxy Coated Steel					
Composite (Steel with Fiberglass)		<u></u>			
Fiberglass Reinforced Plastic					
Lined Interior					
Double Walled					
Polyethylene Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, Please Specify					
Has tank been repaired?	No	No	No	No	No
5. Piping (Material) (Mark all that apply)  Bare Steel					
Galvanized Steel					
Fiberglass Reinforced Plastic					
Copper					
Cathodically Protected	x	×	x	x	×
Double Walled					
Secondary Containment					
Unknown					
Other, Please Specify	Wrapped steel	Wrapped steel	Wrapped steel	Wrapped steel	Wrapped steel
6. Piping (Type)					
(Mark all that apply)  Suction: no valve at tank	x	x	x	x :	
Suction: valve at tank					×
Pressure					
Gravity Fed					
<u>.</u>					
Has piping been repaired?			i		<del></del>

Tank Identification Number	Tank NoNGS6	Tank No.NGS7	Tank NoNGS8	Tank No.NGS.9	Tank NoNGS1
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please Specify  Hazardous Substance CERCLA name and/or,	Motor oil	Hydraulic	Trans. Fluid	AntiFreez	x x ze
CAS number  Mixture of Substances  Please Specify					
X	. TANKS OUT OF U	SE, OR CHANGE	IN SERVICE		<del> </del>
Closing of Tank     A. Estimated date last used     (mo./day/year)	9/22/8/	9/22/91	9/22/91	9/22/91	01/01/77
B. Estimate date tank closed (mo./day/year)	9/23/91	9/23/91	9/23/91	9/23/91	01/01/77
C. Tank was removed from ground  D. Tank was closed in ground  E. Tank filled with inert material  Describe		X	X	X	X
F. Change in service					
2. Site Assessment Completed	IN Progress	IN Prytes:	IN Profress	In Progress	Infrequers
Evidence of a leak detected	No	No	No	No ::	No

	Tank N	<b>10.NGS</b> 6	Tank N	lo.NGS7	Tank N	o.NGS.8	Tank N	o.NGS9	Tank No	NGS
1. Installation										
<ul> <li>A. Installer certified by tank and piping manufacturers</li> </ul>				 						
<ul> <li>B. Installer certified or licensed by the implementing agency</li> </ul>										
C. Installation inspected by a registered engineer	x		X	:	х		х		x	
D. Installation inspected and approved by implementing agency										
Manufacturer's installation check- lists have been completed										
F. Another method allowed by State agency. Please specify.										
2. Release Detection (Mark all that apply)	TANK	PIPING	TANK	PIPING	TANK	PIPING	TANK	PIPING	TANK	PIPIN
A. Manual tank gauging	X		x		х		×	:		ļ 
B. Tank tightness testing	х		_x_		x		x			
C. Inventory controls	x		x		x		<u>x</u>	!		
D. Automatic tank gauging										
E. Vapor monitoring										🖳
F. Groundwater monitoring										
<ul> <li>G. Interstitial monitoring double walled tank/piping</li> </ul>										
<ul> <li>H. Interstitial monitoring/secondary containment</li> </ul>										
I. Automatic line leak detectors				أـــــا					· 	·
J. Line tightness testing		-								
K. Other method allowed by Implementing Agency. Please Specify.	<u>x</u>		<u>x</u>		Х		<u>x</u>			<u></u>
		·		·						
3. Spill and Overfill Protection									====	
Spill and Overfill Protection     A. Overfill device installed		i i								

#### Tank Release Report

Facility Name:

Navajo Generating Station

Date:

November 22, 1991

Location:

Page, Arizona

Tank Designation:

NGS-10

Contents and Capacity:

8,500 gallon unleaded gasoline

Nature of Release:

Unknown.

Regulated Substance Released:

Unknown.

**Quantity of Release:** 

Unknown.

Period of Time Over Which Release Occurred:

Unknown.

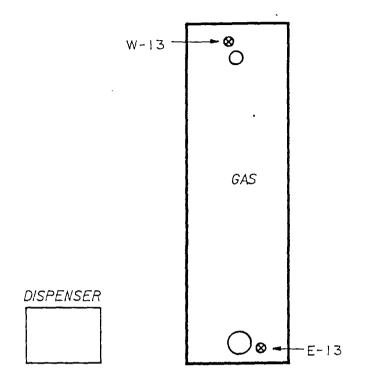
#### Action Taken (as of Report Date):

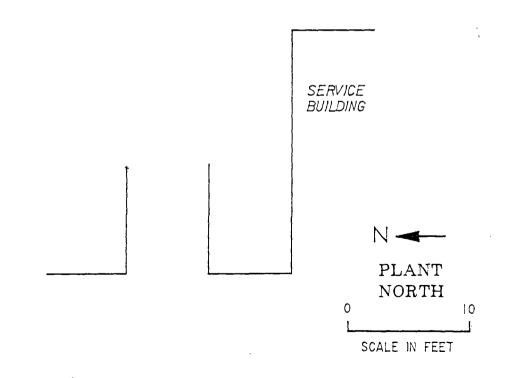
Soil samples were collected from beneath the tank during the tank removal program, however, the samples were inadvertently disposed of by the laboratory prior to analysis. No visible signs of tank failure were observed upon tank removal. Results of soil analyses from the same excavation (NGS-11) were all below method detection limits. There were no visual indications of petroleum contaminated soils during the tank excavation and removal. Based on these observations, it is concluded that there has been no release from NGS-10.

#### Action Anticipated:

It is concluded that there has been no release from NGS-10, however, due to the inadvertent disposal of the soil samples collected during the tank removal it is recommended that a boring be advanced to collect a soil sample from beneath the former tank location for confirmation. The soil sample will be submitted for analysis by EPA Methods 418.1 and 8015M.

## FIGURE 12 NGS-10





11/23/91

Notification for Underground Storage Tanks		STATE USE ON	LY
State Apency Name and Address.		ID NUMBER	
ARIZONA DEPARIMENT OF ENVIRONMENTAL QUALITY		DATE RECEIVED	
TYPE OF NOTIFICATION		A. Date Entered Into Computer	
☐ A. NEW FACILITY ☑ B. AMENDED ☑ C	C. CLOSURE	B. Data Entry Clerk Initials	
No. of tanks at facilityNo. of continuation sho	ets attached	C. Owner Was Contacted to	
INSTRUCTIONS		Clarify Responses. Commen	ts
Please type or print in ink all items except "signature" in section must be completed for each location containing underground stomore than five (5) tanks are owned at this location, photocopy the sheets, and staple continuation sheets to the form.	rage tanks. If		
GENERAL	NFORMATION		
Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1984, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.  The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or nazardous substances. It is expected that the information you provide will be based on reasonably available records, or in the absence of such records, your knowledge, belief, or recollection.  Who Must Notity? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notity designated State or local agencies of the existence of their tanks. Owner means—  a) in the case of an underground storage tank in use on. November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and b) in the case of any underground storage tank in use before November 8, 1984, but no longer is use on that date, any person who owned such tank immediately before the discontinuation of its use.  c) if the State agency so requires, any facility that has undergone any changes to facility information or tank system status.  What Tanks Are included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1, Gasoline, used oil, or elesel fuel, and 2, industrial solvents, pesticides, herbicides or furnigants.  What Tanks Are Excluded?  Other tanks excluded?  Other tanks excluded from notification are:  1, tarm or residential tanks of 1,100 galions or less capacity used	Pipeline Satety Awhich is an intras  5. surface imit 6. storm wate 7. flow-throug 8. fliquid traps production and gi 9. storage tan mineworking, drift surface of the floo  What Substa ground storage ta substance define Environmental Re the exception of the RCRA. It also incitioned at standard and 14.7 pounds  Where To No  AZ Departin  2005 N. O  Phoenix, When To Not been taken out of by May 8. 1986. 20 8. 1986. nust not requires notificati immediately.  Penalties: Ai information shal	childres (including gathering lines) regulated of of 1968, or the Hazardous Liquid Pipelin tate pipeline facility regulated under State poundments, pits, ponds, or lagoons; or waste water collection systems; the process tanks; or associated gathering lines directly related the process tanks; or associated gathering lines directly related site in an underground area (such it, shaft, or tunnel) if the storage tank is situated in an underground area (such it, shaft, or tunnel) if the storage tank is situated in an underground area (such it, shaft, or tunnel) if the storage tank is situated as factorial regulated substances. The disponse, Compensation and Liability Act of those substances regulated as hazardous in section 101 (14) of the Cosponse, Compensation and Liability Act of hose substances regulated as hazardous in the substances regulated as hazardous in the substances regulated and pressure (6 per square inch absolute).  Stiffy? Send completed forms to:  Intert of Environmental entral Avenue, Room 30 Arizona 85004  Itity? 1. Owners of underground storage talloperation after January 1, 1974, but still in 2. Owners who bring underground storage thy within 30 days of bringing the tanks into one of any amendments to facility send information of any amendments to facility send information of any amendments to facility send information of the subject to a civil penalty not to excotification is not given or for which false.	ne Satety Act of 1979, or laws;  led to oil or gas as a basement, cellar, late upon or above the literments apply to under its includes any Comprehensive of 1980 (CERCLA), with waste under Subtitle C of the later of the later of the ground. The ground must notify tanks into use after May buse. 3. If the State rimation to State agency or submits false led \$10,000 for each
I. OWNERSHIP OF TANK(S)		II. LOCATION OF TANK(S)	
Owner Name (Corporation Individual: Public Agency, or Other Emity)  Salt River Project  Sitest Address P. O. Box 52025	Navajo	only Site location: many box here _)  Service location: many box here _)  Service location	
City State ZIP Code	City	State	2 c coce
Phoenix AZ 85072	Page	5121e AZ	8604
Maricopa	Count, Cocor	nino	gi.tv
(602) 236-5900	12 N Long 85 24 17W	1 ton of tanks if required by State by degrees, minutes, and $40N-09E-Sec.5$ Longitude	

. . . .

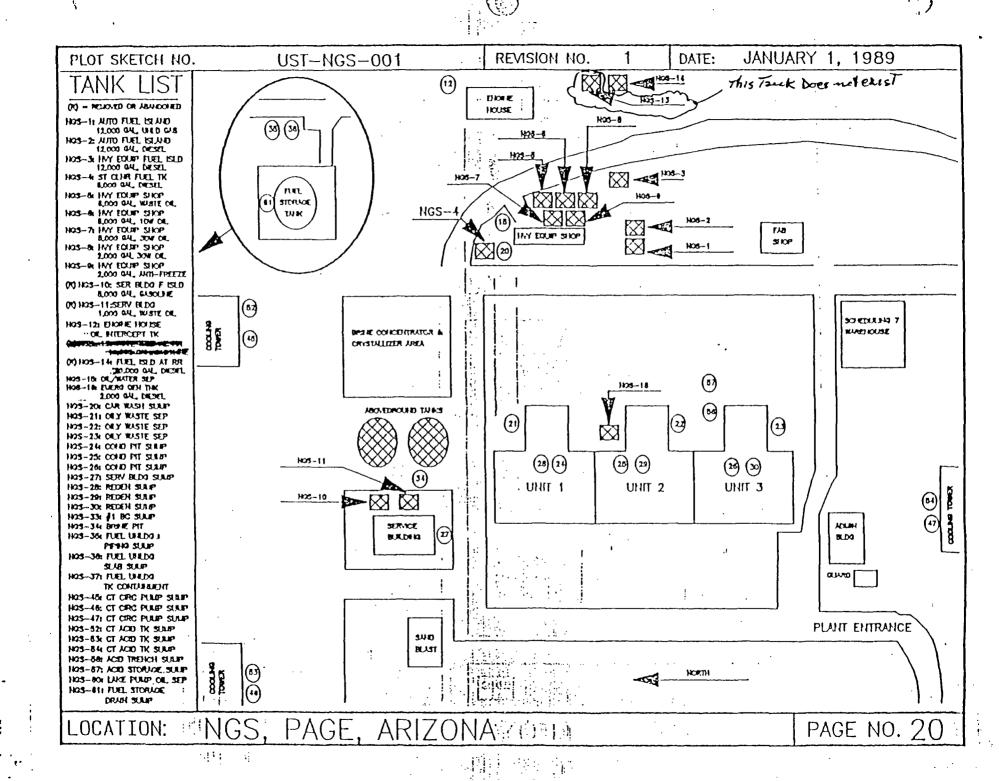
110.20	FAC. ID#		
--------	----------	--	--

## NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHLET

1.	Draw a facility map identifying the tanks and associated piping,
	include major structures (buildings, roads, etc.). Indicate North or
	your drawing.

•	Do you have any additional comments? Au Truks (UST) have been
	tenoved AT This Facility -
	NES-13 was reported but did not exist - NES-14 bou
	To be a 20,000 gallon instead of 10,000 gallon

ADEQ/UST Supp.



III. TYPE OF (	OWNER	IV. INDIAN LANDS				
☐ Federal Gov't. ☐ State Government	☐ Commercial☐ Private	Tanks are located on land within ar Reservation or on other trust lands	☐   Tribe or Nation:			
☑ Local Government		Tanks are owned by native Americ tribe, or individual	an nation, { ———————————————————————————————————			
		V. TYPE OF FACILITY				
Select the Appropriate Facilit	ty Description					
Gas Station		Local Government	Contractor			
Petroleum Distr	ributor	State Government	Trucking/Transport			
Air Taxi (Airline	)	Federal - Non-Military	Utilities			
Aircraft Owner	,	Federal - Military	Residential			
Auto Dealership	 D	Commercial	Farm			
Railroad		Industrial	Other (Explain)			
	<del></del>	<del></del>				
	VI. CONT	ACT PERSON IN CHARGE OF TAN	KS			
Name Jo	ob Title	Address	Phone Number (Include Area Code)			
		Navaio Generat	ing Station (602) 645-881			
Greg Benjamin	Supervisor, E	_				
	VII	. FINANCIAL RESPONSIBILITY				
	I have met the first	ancial reconcibility requirements in				
	accordance with 4	ancial responsibility requirements in 100 CFR Subpart H				
Check All that Apply	i	_	i			
Self Insurance		Guarantee	State Funds			
Commercial Insurar	ice	Surety Bond	Trust Fund			
Risk Retention Grou	ıp ¦ 🗀	Letter of Credit	Other Method Allowed Specify			
	; [		1			
	! !					
	i		<u> </u>			
	VIII. CERTIFICATI	ON (Read and sign after completing	all sections)			
I certify under penalty of law documents, and that based o submitted information is true,	n my inquiry of those inc	dividuals immediately responsible for	rmation submitted in this and all attached obtaining the information, I believe that the			
Name and official title of owners authorized representations		iture of the state of the	Date Signed			
Guy Leany, manage		My Llay	11/22/51			
EPA estimates public reporting gathering and maintaining the Chief, Information Policy Brain	ng burden for this form to e data needed and comp nch PM-223, U.S. Enviro PA." This form amends the	pleting and reviewing the form. Send commental Protection Agency, 401 M S the previous notification form as printe	ncluding time for reviewing instructions, comments regarding this burden estimate to street, Washington D.C. 20460, marked and in 40 CFR Part 280, Appendix I. Previous			

IX. DESCRIPTION OF UND	ERGROUND STO	RAGE TANKS (C	omplete for each to	ank at this location	٦.)
Tank Identification Number	Tank No. NGS 6	Tank NoNGS7	Tank No. NGS8	Tank No. NGS	Tank No. NGS1
Status of Tank (mark only one)  Currently in Use Temporarily Out of Use (Remember to the out section IX)  Permanently Out of Use (Remember to the out section IX)	x	x	x	x	x
Amendment of Information					
2. Date of Installation	1978	1978	1978	1978	1971
3. Estimated Total Capacity (gallons)	5,000	5,000	2,000	2,000	1,000
Material of Construction     (Mark all that apply)	.`				
Asphault Coated or Bare Steel	x	x			<u> </u>
Cathodiacally Protected Steel	x	x	Х	х	X
Epoxy Coated Steel					
Composite (Steel with Fiberglass)					
Fiberglass Reinforced Plastic					
Lined Interior					
Double Walled					
Polyethylene Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, Please Specify					
Has tank been repaired?	No	No	No	No	No
5. Piping (Material) (Mark all that apply)  Bare Steel Galvanized Steel					
Fiberglass Reinforced Plastic					
Copper					
Cathodically Protected	x	×	x	x	x
Double Walled					
Secondary Containment					
Unknown					
Other, Please Specify	Wrapped steel	Wrapped steel	Wrapped steel	Wrapped steel	Wrapped steel
6. Piping (Type) (Mark all that apply)					·
Suction: no valve at tank	х	x	х	х	
Suction: valve at tank					x
Pressure					
Gravity Fed					
Has piping been repaired?					

I

Tank Identification Number	Tank NoNGS6	Tank No NGS 7	Tank NoNGS8	Tank No.NGS9	Tank NoNGS1
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please Specify  Hazardous Substance CERCLA name and/or, CAS number	Motor oil	Hydrauli	Trans. Fluid	AntiFree	x x ze
Mixture of Substances Please Specify					
	. TANKS OUT OF U	SE, OR CHANGE	IN SERVICE		
1. Closing of Tank					
A. Estimated date last used (mo./day/year)	9/22/81			9/22/91	·
B. Estimate date tank closed (mo./day/year)	9/23/91	9/23/91	9/23/91	9/23/91	01/01/77
C. Tank was removed from ground	<u> </u>	X	<u> </u>	X	X
D. Tank was closed in ground					
E. Tank filled with inert material					
Describe					
F. Change in service					
2. Site Assessment Completed	IN Progress	IN Pry + ES!	IN Progress	In Progress	InProgress
	<u> </u>	- <del></del> ·	<u> </u>	_ <u></u>	

ank Identification Number	Tank No.NGS6	Tank No.NGS7	Tank No.NGS8	Tank No. NGS9	Tank No. NGS 1
. installation					
A. Installer certified by tank and piping manufacturers					
Installer certified or licensed by the implementing agency					
C. Installation inspected by a registered engineer	x	x	х	x	х
Installation inspected and approved by implementing agency					
Manufacturer's installation check- lists have been completed					
F. Another method allowed by State agency. Please specify.					
2. Release Detection (Mark all that apply)	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPIN
A. Manual tank gauging	X	x	х	x	
B. Tank tightness testing	x	x	x	X	
C. Inventory controls	x	x	x	X	
D. Automatic tank gauging					
E. Vapor monitoring					
F. Groundwater monitoring					
G. Interstitial monitoring double walled tank/piping					
<ul> <li>H. Interstitial monitoring/secondary containment</li> </ul>					
I. Automatic line leak detectors				<del></del> ;	·
J. Line tightness testing					·
K. Other method allowed by Implementing Agency. Please Specify.	<u>x</u>	<u>x</u>	<u>X</u>	<u>x</u>	
3. Spill and Overfill Protection					
A. Overfill device installed			1		
B. Spill device installed					
DATH: I certify the the information concernin	g installation that is	s provided in section	on X is true to the t	best of my belief a	nd knowledge.
nstaller: Long Leany		- Bring	ionature		11/2451
MANAGER - NANKS +	HUAT NICILA	' Sem.	Ignature S AGT	RIVER PR	Date - T

I

NGS - 11

#### Tank Release Report

Facility Name:

Navajo Generating Station

Date:

November 22, 1991

Location:

Page, Arizona

Tank Designation:

NGS-11

Contents and Capacity:

2,000 gallon waste oil

Nature of Release:

None.

Regulated Substance Released:

Not Applicable.

**Quantity of Release:** 

Not Applicable.

Period of Time Over Which Release Occurred: Not Applicable.

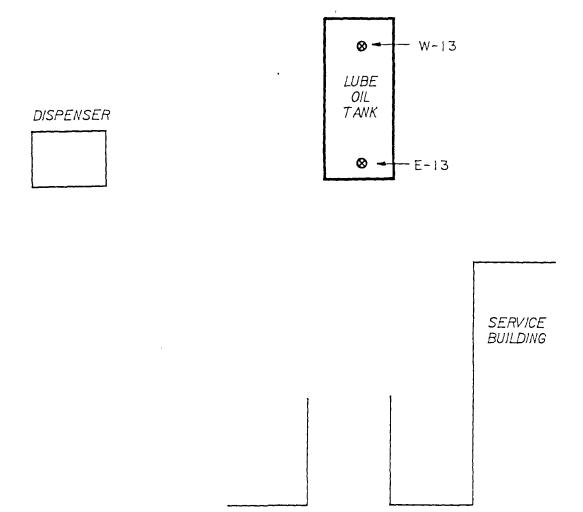
#### Action Taken (as of Report Date):

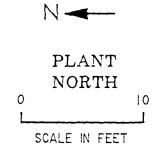
The tank and surrounding soils were excavated and removed on October 11, 1991 and the soils stockpiled on site. During tank removal, soil samples were collected from beneath the east and west ends of the tank at an approximate depth of 13 feet below grade. The soil samples were submitted for TPHC analyses by EPA Method 418.1 and for VOC analysis by EPA Method 8010/8020. All results came back below method detection limits indicating there has been no release from the tank.

Action Anticipated:

None.

## FIGURE 13 NGS-11





Page 1 Received:	10/16/91	SRP WQ LAB 11/01/91	REPORT 12:51:31	Nork Order # 91-10-060
	SALT RIVER PROJECT HILDA MARCHETTI SKP	PREPARED BY		= &.W.
ATTEN		PHONE _		
COMPANY	SPECIALS SA			
TAKEN TRANS TYPE F.O. #	NES UST REMOVALS  EARL BURNETT  N90-48731-02  71300  under separate cover		·	
01 #1 FR	E IDENTIFICATION M USD OIL THE EAST EN M USD OIL THE WEST EN		TEST CODES and NAMES COLEUM HYDORCARBONS	used on this workorder

SRP WQ LAB

. Page 4

REPORT

Work Order # 91-10-060

Received: 10/16/91

Results by Sample

SAMPLE ID <u>#1 FRM USD DIL TNK EAST EN FRACTION 01A</u> TEST CDDE <u>VDA2</u> NAME <u>#8010/8020</u>

Date & Time Collected <u>10/11/91 12:00:00</u> Category

#### B010/8020 ANALYSIS

Sample Date Received Date			Accession Number _		06001
		10/16/91		FRM USDOILT	
Ana	lysis Date	10/25/91			NB/KB
Matrix		SOIL	Dilution Factor _		100
	Analyst	E.J.MURPHY	Analyzing Lab _		SRP
COMPOUND	DET LIM	RESULT	COMPOUNT	DET LIM	RESULT
Dichlorodifluoromethane	<u>-99</u>	-99	Bromodichloromethane	50	-50
chloromethane		<del>-9</del> 9	2-Chloroethylvinylether	50	-50
Vinyl Chloride	-99	-99	.T-1.3-Dichloropropens	50	-50
Brosomethane	-99		Toluena	50	-50
Chloroethane	-99	-99	C-1,3-Dichloropropen	50	-50
Trichlorofluoromethane	50	<u>-50</u>	1,1,2-Trichloroethane	50	-50
1,1-Dichloroethylene	50		Tetrachloroethylen	50	-50
Methylene Chloride	50	<u>-50</u>	Dibromochloromethan	50	-50
T-1,2-Dichloroethylene	50		Chlorobenzen	50	
1,1-Dichloroethane	50	-50	Ethyl Benzeno	50	-50
Chloroform	50	-50	M/P Xylene	50	-50
1,1,1-Trichloroethane	50	-50	C Xylen	50	-50
Carbon Tetrachloride	50		Bromofor	50	-50
Benzene	50	-50	1,1,2,2-Tetrachloroethan	50	-50
1,2-Dichloroethane	50		1,3-Dichlorobenzen	e <u>50</u>	-50
Trichloroethene	50	-50	1,4-Dichlorobenzen	50	-50
1,2-Dichloropropane	50	-50	1,2-Dichlorobenzen	50	-50
GANGS Comments			·		
				<del></del>	

NOTES:

A result preceded by - indicates result is below detection limit A -99 indicates that the compound was not analyzed

Page 6 SRP W9 LAB REPORT Work Order # 91-10-060 Received: 10/16/91 Results by Sample

| SAMPLE ID #2 FRM USD OIL TNK NEST EN | SAMPLE # 02 FRACTIONS: A | Date & Time Collected 10/11/91 12:00:00 Category |

: TPHC_

-15 MG/KB

· Page 7

SRP WG LAB

REPORT

Work Order # 91-10-060

Received: 10/16/91

Results by Sample

SAMPLE ID #2 FRM USD OIL TNK WEST EN FRACTION 02A TEST CODE VOA2 NAME 8010/8020

Date & Time Collected 10/11/91 12:00:00 Cates

Category

#### 8010/8020 ANALYSIS

		10/11/91	Accession Number		
		10/16/91	Sample Id <u>#2                                   </u>		
Ana		10/25/91			NG/KE
	-	SDIL	Dilution Factor		
	Analyst _	E.J.MURPHY	Analyzing Lab		SRP
COMPOUND	DET LIM	RESULT	COMPOUND .	DET LIM	RESULT
Dichlorodifluoromethane	<u>-99</u>		Bromodichloromethane	50	-50
chloromethane		-99	2-Chloroethylvinylether	50	-50
Vinyl Chloride	-99		T-1,3-Dichloropropene	50	-50
Brosomethane			Toluene	50	-50
Chloroethane	-99		C-1,3-Dichloropropene	50	-50
Trichlorofluoromethane	50	-50	1,1,2-Trichloroethane	50	
1,1-Dichloroethylene	50	-50	Tetrachloroethylene	50	-50
Methylene Chloride	50		Dibromochloromethane	50	-50
T-1,2-Dichloroethylene	50	-50	Chlorobenzene	50	-50
1,1-Dichloroethane	50	-50	Ethyl Benzene	50	-50
Chloroform	50	-50	M/P Xylenes	50	
1,1,1-Trichloroethane	50	-50	0 Xylene	50	-50
Carbon Tetrachloride	50	-5()	Bromofore	50	-50
Benzene	50	-50	1,1,2,2-Tetrachloroethane	50	-50
1,2-Dichloroethane	50	-50	1,3-Dichlorobenzene	5(	-50
Trichloroethene	50	-50	1,4-Dichlorobenzene	5(	-50
1,2-Dichloropropane	50		1,2-Dichlorobenzene	50	-50
DA\OC Comments					

NOTES:

A result preceded by - indicates result is below detection limit A -99 indicates that the compound was not analyzed

### SRP

Salt River Project

Post Office Box 52025 Phoenix, Arizona 85072-2025

## CHAIN OF CUSTODY RECORD/TRANSMITTAL

ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609 Page ___ of

Project:				Charg	e No: 1/300	No of		FI	ELD DA	DATA				AVALYSIS				
NGS UST REMOVALS		<b>_</b>		W10-	48731-02	c	FLOV	NO3	TEMP	ΕC	рH	7	V		٤	$\top$	T	T
Project Manager/Contact:		Phone:		Cost	Center: 380	0		/ N	• c		"	620		Ť	100 pm			
M, VODA Sampler(s) Signature	···,··	15711		00	300	t	GPM	"			}			1-	0/			
EARL BURNETT						i						80/0		1 6 1	7			
Sample ID	Date	Time	Mati	rix	Lab	e	CF5				İ	1	1 6 1	CLER	ptc			
33.1713		Collected			ID No.	s						H.E	15	1,7	12			
#1 FROM USED OIL TANK	10/1/91	NOW	SOIL	_	91-10-060	1												
EASTEND 14' DEEP					•													
																1	1	-
#2 FROM WIFD OIL TANK	policiai	Nam	Soil		02							1						
WESTEND 14' DEEP																		
·		1																
									· · · · · · · · · · · · · · · · · · ·									
														1				
,														1		†		
														-		1		
Relinquished W: (signature)	Dace T	ime Rêce	ived By	:/(sign	ature).	<del>-</del>	10/16/9	1 0 92	ne O	Remarks:							<del></del>	
	Date 1	i i	ived By				Date	Tin		U/V. 12 <i>E</i> sc			ノ代	در	<i>3  </i>			
Relinquished By: (signature)	Date Ti	ime Rece	ived By	: (sign	ature)		Date	Tin	ne									

Notification for Underground Storage Tanks	STATE USE ONLY
State Agency Name and Address	ID NUMBER
ARIZONA DEPARIMENT OF ENVIRONMENTAL QUALITY	DATE RECEIVED
TYPE OF NOTIFICATION	A. Date Entered Into Computer
☐ A. NEW FACILITY ☑ B. AMENDED ☑ C.	CLOSURE B. Data Entry Clerk Initials
No. of tanks at facilityNo. of continuation shee	s attached C. Owner Was Contacted to
INSTRUCTIONS	Clarify Responses. Comments
Please type or print in ink all items except "signature" in section must be completed for each location containing underground stora more than five (5) tanks are owned at this location, photocopy the sheets, and staple continuation sheets to the form.	ge tanks. If
GENERALIN	FORMATION
Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1984, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.  The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or in the absence of such records, your knowledge, belief, or recollection.  Who Must Notity? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—  a) in the case of an underground storage tank in use on. November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and  b) in the case of any underground storage tank in use before November 8, 1984, but no longer is use on that date, any person who owned such tank immediately before the discontinuation of its use.  c) if the State agency so requires, any facility that has underground any changes to tacility information or tank system status.  What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground tanks storing: 1. Gasoline, used oil, or diesel fuel, and 2, industrial solvents, pesticides, heroicides or furnigants.  What Tanks Are Excluded?  Other tanks excluded from notification are:  1. tarm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;  2. tanks used for storing heating oil for	4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Satety Act of 1968, or the Hazardous Liquid Pipeline Satety Act of 1979, or which is an intrastate pipeline facility regulated under State laws:  5. surface impoundments, pits, ponds, or lagoons; 6. storm water or waste water collection systems; 7. flow-through process tanks; 8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations; 9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situate upon or above the surface of the floor.  What Substances Are Covered? The notification requirements apply to under ground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprenensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).  Where To Notify? Send completed forms to:  AZ Department of Environmental Quality 2005 N. Central Avenue, Room 300 Phoenix, Arizona 85004  When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1. 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986. must notify within 30 days of bringing the tanks into use. 3. If the State requires notification of any amendments to facility send information to State agency immediately.  Penalties: Any owner who knowingly fails to notify or submits faise information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information i
I. OWNERSHIP OF TANK(S)	II. LOCATION OF TANK(S)
Owner Name (Corporation, Individual, Public Agency, or Other Entity)  Salt River Project  Street Address  P. O. Box 52025	Facinity Name or Company Site Identifier, as appricable  Navajo Generating Station  Street Address IPO Bos not acceptable;  5 miles East of Page, AZ
City State ZIP Cooe Phoenix AZ 85072	Page ÄZ 8604
Count	0004
Maricopa Prome Number (Include Avea Code)	Coconino
(602) 236-5900	Give the geographic local ion of tanks if required by State by degrees, minutes, and seconds. Examples, at: 42.36.  12 N Long, 85, 24.17W 40N 09E Sec. 5  Latitude

FAC.	ID#	

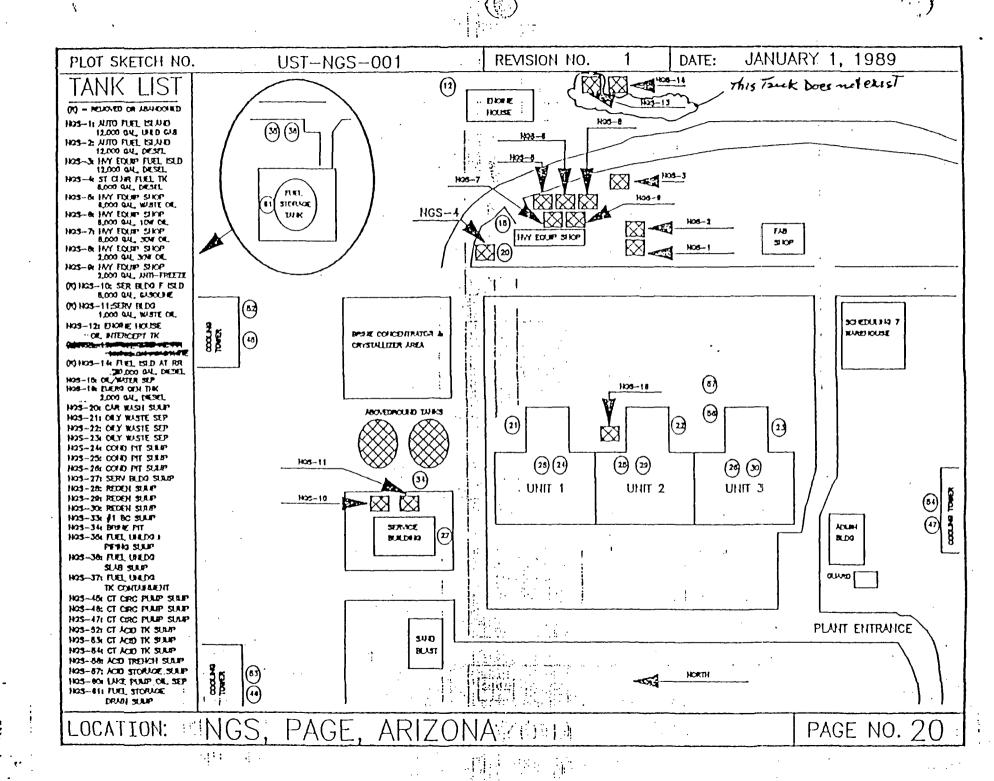
### NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHLET

1.	Draw a facility map identifying the tanks and associated piping,
	include major structures (buildings, roads, etc.). Indicate North on
	your drawing.

,	
··	
 	1

Do you have any additional comments? All Truks (457) have been tenoved AT This Facility -
NES-13 was reported but did not exist - NES-14 bou
To be a 20,000 gallon instead of 10,000 gallon

ADEQ/UST Supp.



111. T	YPE OF OWN	NER	IV. INDIAN LANDS									
☐ Federal Gov't.		☐ Commercial	Tanks are located on la Reservation or on other	Tribe or Nation: Navajo								
☐ State Governr  State Governr		☐ Private	Tanks are owned by na tribe, or individual	tive American n	nation, $\Box$	Navajo						
			V. TYPE OF FACILITY									
Select the Appropr	iate Facility De	escription										
Gas S	Station		Local Government	_	Contra	ctor						
Petro	leum Distribut	or	State Government	_	Truckii	ng/Transport						
Air Ta	axi (Airline)		Federal - Non-Military	_	x Utilitie:	S						
Aircra	aft Owner		Federal - Military		Reside	ential						
Auto	Dealership	<del></del>	Commercial	_	Farm							
Railro	ad		Industrial	_	Other	(Explain)						
		VI. CONT	ACT PERSON IN CHAR	GE OF TANKS	<del></del>							
Name	Job T	itle	Address		Phon	e Number (include Area Code)						
			Navajo G	enerating	g Stati	on (602) 645-8811						
Greq Benj	amin Su	pervisor, E	-									
		VII	. FINANCIAL RESPONSI	BILITY								
		I have met the fina accordance with 4	ancial responsibility requir 0 CFR Subpart H	ements in								
Check All that App												
Self Insur	ance		Guarantee	i I	Sta	ite Funds						
Commerc	ial Insurance	i <u></u>	Surety Bond	i	Tru	st Fund						
Risk Rete	ntion Group		Letter of Credit	, [	Oth	ner Method Allowed Specify						
		į		!		· •						
		l i	•									
		1 1		1								
	<del></del>	VIII. CERTIFICATI	ON (Read and sign after	completing all s	ections)							
documents, and the	at based on m	I have personally ex y inquiry of those indurate, and complete.	dividuals immediately resp	vith the informa consible for obt	ition submitt aining the in	ted in this and all attached intormation, I believe that the						
Name and official ti or owner's authoriz	ed representa	Signa	iture Jun Z	lary		Date Signed /// 2 1/5/						
Guy Leary,		1	V .			- ' /						
gathering and mair Chief, Information f "Attention Desk Off	taining the da Policy Branch icer for EPA."	ta needed and comp PM-223, U.S. Enviro	onmental Protection Agen he previous notification fo	form. Send com cy, 401 M Stree	nments rega et, Washing	arding this burden estimate to						
ſ												

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)										
Tank Identification Number	Tank No.NGS11	Tank No.NGS14	Tank No. NGS1	Tank No	Tank No					
Status of Tank (mark only one) Currently in Use										
Temporarily Out of Use										
Permanently Out of Use	x	X	x							
Amendment of Information										
2. Date of Installation	1971	1972	1978							
3. Estimated Total Capacity (gallons)	2,000	20,000	2,000							
4. Material of Construction				_						
(Mark all that apply)										
Asphault Coated or Bare Steel	x	x	x							
Cathodiacally Protected Steel	x	х	х							
Epoxy Coated Steel										
Composite (Steel with Fiberglass)										
Fiberglass Reinforced Plastic										
Lined Interior										
Double Walled										
Polyethylene Tank Jacket										
Concrete										
Excavation Liner										
Unknown										
Other, Please Specify										
Has tank been repaired?	No	No	No							
5. Piping (Material) (Mark all that apply)  Bare Steel										
Galvanized Steel										
Fiberglass Reinforced Plastic										
Copper										
Cathodically Protected	x	x	x							
Double Walled										
Secondary Containment										
Unknown										
Other, Please Specify	Wrapped	Wrapped	Wrapped							
	steel	<u>steel</u>	steel							
6. Piping (Type) (Mark all that apply)										
Suction: no valve at tank										
Suction: valve at tank	x	x	x							
Pressure										
Gravity Fed										
Has piping been repaired?										

Tank Identification Number	Tank No. NGS.	Litank NoNGS14	Tank No. NGS	fank No	Tank No									
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please Specify  Hazardous Substance CERCLA name and/or,	x	x	x											
Mixture of Substances Please Specify														
X. TANKS OUT OF USE, OR CHANGE IN SERVICE														
	TANKS OUT OF C	DSE, ON CHANGE	INSERVICE											
Closing of Tank     A. Estimated date last used     (mo./day/year)	1/1/77	1/1/77	9/16/91											
B. Estimate date tank closed (mo./day/year)	1/1/77	1/1/77	9/16/91											
C. Tank was removed from ground	х	x	x											
D. Tank was closed in ground	:													
E. Tank filled with inert material  Describe														
F. Change in service														
2. Site Assessment Completed	x	x	IN Proposes											
Evidence of a leak detected	No	No	No											

_

ank Identification Number	Tank Na GS11	Tank Ne GS14	Tank NAIGS16	Tank No	Tank No
. Installation					
A. Installer certified by tank and piping manufacturers		\	<b> </b>		
<ul> <li>B. Installer certified or licensed by the implementing agency</li> </ul>					
C. Installation inspected by a registered engineer		x	x		
Installation inspected and approved by implementing agency					
E. Manufacturer's installation check- lists have been completed					
F. Another method allowed by State agency. Please specify.					
2. Release Detection (Mark all that apply)	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPIN
A. Manual tank gauging			x		
B. Tank tightness testing			x		
C. Inventory controls			x		
D. Automatic tank gauging					
E. Vapor monitoring					
F. Groundwater monitoring					
<ul> <li>G. Interstitial monitoring double walled tank/piping</li> </ul>					
Interstitial monitoring/secondary containment					
I. Automatic line leak detectors					
J. Line tightness testing				:	
K. Other method allowed by Implementing Agency. Please Specify.			X		
. Spill and Overfill Protection		!			
A. Overfill device installed					· <del></del>
B. Spill device installed					
DATH: I certify the the information concerning the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	-	M.	/	<u> </u>	nd knowledge.
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#### Tank Release Report

Facility Name: Navajo Generating Station

Date: November 22, 1991

Location: Page, Arizona

Tank Designation: NGS-14

Contents and Capacity: 20,000 gallon diesel fuel

Nature of Release: Spills and overfills.

Regulated Substance Released: Diesel Fuel.

Ouantity of Release: Unknown.

Period of Time Over Which Release Occurred: Unknown.

#### Action Taken (as of Report Date):

The tank and surrounding soils were excavated and removed on September 24, 1991 and the soils stockpiled on site. During tank removal, soil samples were collected from beneath the north and south ends of the tank, as well as from beneath the center of the tank, at an approximate depth of 16 to 17 feet below grade. Additional samples were collected from beneath the north and south ends of the tank at approximately 25 feet below grade. The soil samples were submitted for TPHC analysis by EPA Method 418.1 and Fuel Fingerprint analyses by EPA Method 8015M.

Soil samples collected from immediately beneath the tank at a depth of 16 to 17 feet below grade detected 1300 mg/kg TPHC beneath the south end of the tank. No significant soil contamination was detected beneath the north or center ends of the tank. Samples collected from beneath the north and south ends of the tank at a depth of 16 feet below grade were inadvertently disposed of by the laboratory prior to fuel fingerprint analysis. No significant contamination was detected in the TPHC or fuel fingerprint analyses from samples collected from 25 feet below grade. The vertical extent of contamination, therefore, has been defined.

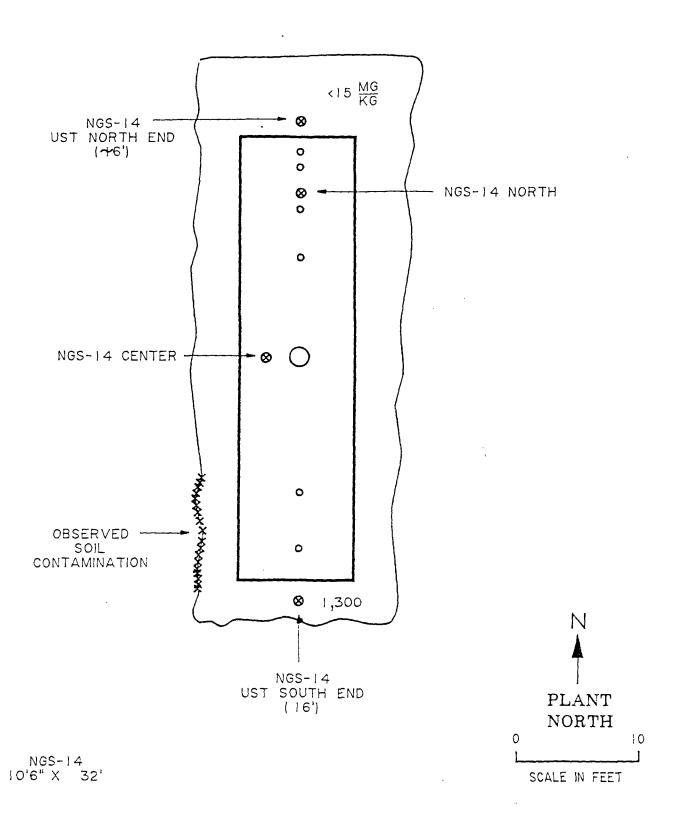
No visible signs of tank failure were observed upon tank removal. Based on these observations and the soil sampling results, it is concluded that the observed soil contamination resulted from spillage or overfilling during the operational life of the tank. The vertical extent of contamination has been verified and the contaminated soils removed.

Action Anticipated:

None.

# FIGURE 14 NGS-14

APPROX. PERIMETER OF UST EXCAVATION



SRP NO LAB REPORT Face 1 Work Order # 91-09-070 10/04/91 14:06:41 Received: 09/24/91 REPORT SALT RIVER PROJECT PREPARED _____ TO HILDA MARCHETTI SRP CERTIFIED BY ATTEN ATTER CONTACT MUREHY PHONE CLIENT SPECIALS - SAMPLES 13 IOMPANY SRP ERCIFICA WOSE IN NGS UST CLOSURE TAKEN DENNIS SHIRLEY TRANS N90-48701-02 TYPE 71300 F.S. # INVESCE under separate cover SAMPLE IDENTIFICATION TEST CODES and NAMES used on this workorder 01 NSS-5 SOUTH FUELFF FUEL FINGERPRINT 02 MSS-s NORTH TEHC TOT PETROLEUM HYDORCARBONS 03 NGS-5 SCUTH (13') VGA2 3010/8020 04 NGS-5 SOUTH (15°) 05 NGS-7 NORTH 06 NG5-7 SOUTH 07 NGS-8 EAST 08 NBS-8 KEST 09 NGS-5 EAST 10 NGS-9 WEST 11 MSS-5 CENTER (NORTH END) 12 K33-14 U3T SOUTH END 13 NGS-14 UST NORTH END

### SRP

Salt River Project

CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona 85072-2025 ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

Page 2 of 2

Project:				Charge No:		No	No FIELD DATA AMALYSIS							212			
NGS UST CLOSURE	<del></del>					C	FLOW	NO3	TEMP	ΕC	DH					11	
Project Manager/Contact:		Phone:	ار	Cost Center:		0	120-	/ /	· c		) Pi,				l		
MIKE VODA		3142				t	<u> </u>			1			100				
Sampler(s) Signature						a i n e	GPM					N 1	480				
Sample ID	Date Collected	Time Collected	Matr	ix	Lab ID No.	r						#PA	F 24				
NGS-5 CENTER (NORTHEND)	9/29/91	0820	So	1	91-09-070	1						X.	XX				_
NGS-14 UST SOUTH END	11	0925	Son	· -	اع	)						X	X				
NGS-14 UST NORTH END	9/24/91	1008	501	<u></u>	13.	1		ļ				X	X				
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Page 1	S	RP WG LAB		REPORT	· Nork	Order # 91-09-087	
Received:	: 09/27/91		10/08/91 0	8:48:03			
REPORT	SALT RIVER PROJECT	PR	EPARED			0.1	
TO	HILDA MARCHETTI	<del></del>	BY			-811	
	SRP					6, N.	
		•			i	CERTIFIED BY	
ATTEN	<del></del>		ATTEN				
		<del></del>	PHONE			CONTACT MURPHY	
CLIENT	SPECIALS SAMP	LES 3					
	SRP			•			
FACILITY		<del></del>					
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	NGS UST REMOVALS						
TOANC	MICHAEL VODA	<del></del>		•			
TVGE	N90-48731-02 71300						
	71300						
	under separate cover						
11170101	Blider Separate CDVCI	<del></del>					
SAMPLE	E IDENTIFICATION		11	ST CODES and NAMES	insed on t	his workorder	
	4 N25		UEL FINGE				
	4 525			UN HYDORCARBONS			
03 NGS-3			, I L I II DE				
40 HOD 0	Lav						

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v.

Page 4 SRP NQ LAB REPORT Nork Order # 91-09-087
Received: 09/27/91 Results by Sample

: SAMPLE ID NGS-14 N25 SAMPLE # 01 FRACTIONS: A,B

Date # Time Collected 09/26/91 09:00:00 Category

: TPHC 56
: MG/KG

SRP WQ LAB

REPORT

Work Order # 91-09-087

Received: 09/27/91

Results by Sample

SAMPLE ID NGS-14 N25

FRACTION OIB TEST CODE <u>FUELFP</u> NAME <u>FUEL FINGERPRINT</u>

Date & Time Collected <u>09/26/91 09:00:00</u> Category

FUEL FINGERPRINT

SAMPLE ID DATE RUN MATRIX ANALYST	NGS-14 N25 09/20/91 501L D.W.MCKINNEY					
	RESULT	UNITS				
GASOL THE	BDL	PPM				
DIESEL	BDL	PPM				
FUEL DIL	BDL	PPM				
KERDSENE	FDL	PPM				
LUBRICATING OIL	BDL	PPM				

BDL=Below Detection Limit

Detection limit= 100 ppm

Comments:

Sinnaturn

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Page 6

SRP WQ LAB REPORT Work Order # 91-09-087

Page 6 Received: 09/27/91

Results by Sample

SAMPLE ID NGS-14 S25	SAMPLE # 02 FRACTIONS: A.B  Date # Time Collected 09/26/91 09:00:00 Category
TPHC <u>64</u> MG/KG	

SRP WQ LAB

REPORT

PPN

Work Order # 91-09-087

Results by Sample

SARPLE ID NGS-14 S25

FRACTION 02B TEST CODE FUELFP NAME FUEL FINGERPRINT Date & Time Collected 09/26/91 09:00:00 Category ____

FUEL FINGERPRINT

SAMPLE ID	NGS	3-14 S25						
DATE RUN	(	09/20/91						
MATRIX		SOIL						
ANALYST	D.W.HCKIN							
	RESULT	STINU						
GASOLINE	BDL	PPM						
DIESEL	BDL	PPM						
FUEL OIL	BDL	PPH						
KEROSENE	BDL	PFM						

LUBRICATING DIL BDL

BDL=Below Detection Limit

Detection limit= 100 ppm

Comments:

SRP

Salt River Project

## CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona

ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION

85072-2025	ona.				LD SER 02) 236	-2609	104				Page	of	
Project:			Charg	re No: 71300	No		FIELD	DATA		Z	AMLYSI		
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Project Manager/Contact:		Phone:	L L	Center:	0	FLOA	NO3 TE		рн	165			
MICHAEL VODA (MD	(AUCV	3142	_   82	<u> </u>	1 1		N °						
Sampler(s) Signature					a i n	GPH				24C			
Sample ID	Date Collected	Time Collected	Matrix	Lab ID No.	e r s	CFS				17/12			
N65-14 NZ5	Z654891	0900	mo/cur	91-08-08)	1								
EN65-14 525		0900		02-	1								
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NGS-3 E13		1000		03	1					1			_
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Page 1 Received: 09/25/91		REPORT /91 14:13:55	Work Order # 91-09-076
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		<b>k</b> .	CERTIFIED BY
HTTEA	FHON	tk	CONTACT MEMINEY
ILIENI SPECIALS	SAMPLES <u>1</u>		
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TNEE CITUS E.C. P INVELEE Under Separate cover		•••	
SAMPLE IDENTIFICATION	e velet eviel e		S used on this workorder
01 M58-14 NORTH 60 M58-14 CENTER		INSERFRINI TROLEUM HYDORCARBONS	
•			

SRP NO LAB

REPORT

Work Order # 91-09-076

keceived: 09/25/91

Results by Sample

SAMPLE ID NGS-14 NORTH FRACTION OIB TEST CODE FUELFP NAME FUEL FINGERPRINT Date & Time Collected 09/24/91 16:40:00 | Category

FUEL FINGERFRINT

346711 75	N35-1	4 NGRIH
3n75 Nda	Ú'	9/24/91
AATEST		SOIL
F#41 75"	0.8.8	CK I NNEY
		• •
	RESULT	UNITS
6482111.1	551	PPH
PIESEL	<u> 5Di</u>	PAM
73 <b>2</b> 1 73.	<u> 19:</u>	PPt.
<b>E</b> RÚSENO	FDL	PPN
188410-7148-011	551.	FPH

Blu=Reicw Detection limit

Detection limit# 100 ppm

leadente:

Esperie David Mysuney

SRP WG LAB

REPORT

Work Order # 91-09-076

Received: 09/25/91

Results by Sample

SAMPLE ID NGS-14 CENTER

FRACTION 02B TEST CODE FUELFP NAME FUEL FINGERPRINT

Date & Time Collected 09/24/91 16:40:00 Category

FUEL FINGERFRINT

SAMELE ID	N55-14	PENTES
DATE FOR		1/24/91
887817		551L
AMEL:31	D.W.MC	KIRREY
	RESULT	UNITS
DASCLINI	FUL	PPM
DJESEL	FDL	PPH
FUEL DIL	BDL	PFM
REROSENS	BDL	PPM
LUBRICATING	OIL BDL	PPM

BDD=Below Detection Limit

Detection limit= ______100 ppm

Cocaents:

### SRP

Salt River Project

## CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona 85072-2025

ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

Project:			Char	ge No:	No of		Fī	ELD DA	TA				ANALYS		
NGS UST (LO Project Manager/Contact: WIKE VODA	SURK	Phone:		0 - 48731-0 Center: 87380		FLOW	NO3 / N	TEMP	EC	рН	1				
Sampler(s) Signature	Rie		1 2	50 JAC)	t a i n e	GPM					24 4/8	48			
Sample ID	Date Collect	Time ed Collected	Matrix	Lab ID No.	r s						V V	1			
NGS-14 NORTH	9/24/9	U 4:30	Soil	191-09-016	(						XI	4			
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Notification for Underground Storage Tanks		STATE USE ONL	.Y
Sisse Agency Neme and Address		ID NUMBER	
ARIZONA DEPARIMENT OF ENVIRONMENTAL QUALITY		DATE RECEIVED	
TYPE OF NOTIFICATION		A. Date Entered Into Computer	
☐ A. NEW FACILITY ☑ B. AMENDED ☑ C.	CLOSURE	B. Data Entry Clerk Initials	
No. of tanks at facilityNo. of continuation sheet	s attached	C. Owner Was Contacted to	<del></del>
INSTRUCTIONS		Clarify Responses. Comments	S
Please type or print in ink all items except "signature" in section must be completed for each location containing underground storal more than five (5) tanks are owned at this location, photocopy the fisheets, and staple continuation sheets to the form.	ge tanks. If		
GENERAL IN	FORMATIC	ON .	: 1
Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1984, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.  The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or nazardous substances. It is expected that the information you provide will be based on reasonably available records, or in the absence of such records, your knowledge, belief, or recollection.  Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—  a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and  b) in the case of any underground storage tank in use before November 8, 1984, but no longer is use on that date, any person who owned such tank immediately before the discontinuation of its use.  c) if the State agency so requires, any facility that has undergone any changes to facility information or tank system status.  What Tanks Are included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances." and (2) whose volume (including connected underground tanks storing: 1. Gasoline, used oil, or diesel fuel, and 2, industrial solvents, pesticioes, neroicioes or furnigants.  What Tanks Are Excluded?  Other tanks excluded from notification are:  1. farm or residential tanks of 1,100 gallions or less capacity used for storing motor fuel for noncommercial purposes;  2. tanks used for storing heating oil for c	Pipeline Satety which is an interest of the second of the what Subground storage substance defit Environmental the exception of RCRA. It also liquid at standard 14.7 poun where To AZ Depart 2005 N Phoenix, when to been taken ou by May 8, 1986, must requires notific immediately.	tacilities (including gathering lines) regulated by Act of 1968, or the Hazardous Liquid Pipeline rastate pipeline facility regulated under State to impoundments, pits, ponds, or lagoons; after or waste water collection systems; bush process tanks; pipeline facility regulated under State to impoundments, pits, ponds, or lagoons; after or waste water collection systems; bush process tanks; pipelines directly related in gathering operations; tanks situated in an underground area (such a drift, shaft, or funnel) if the storage tank is situation.  stances Are Covered? The notification require in the storage tank is situation.  stances Are Covered? The notification require in the storage tank is situation. Stances are guiated as hazardous with includes petroleum, e.g., crude oil or any fraction of the substances regulated as hazardous with includes petroleum, e.g., crude oil or any fraction and conditions of temperature and pressure (60 disper square inch absolute).  Notify? Send completed forms to:  Linent of Environmental (Central Avenue, Room 30 (Arizona 85004)  Notify? 1. Owners of underground storage tank to operation after January 1, 1974, but still in 6. 2. Owners who bring underground storage tank to operation after January 1, 1974, but still in 6. 2. Owners who bring underground storage tank to operation after January 1, 1974, but still in 6. 2. Owners who knowingly fails to notify on hall be subject to a civil penalty not to except in notification is not given or for which false	e Safety Act of 1979, or aws;  ed to oil or gas  is a basement, cellar, ate upon or above the rements apply to under sincludes any omprehensive 1980 (CERCLA), with vaste under Subtitle Collion thereof which is 0 degrees Fahrenheit  Quality  Onks in use or that have the ground, must notify anks into use after May use. 3, if the State mation to State agency or submits false aged \$10,000 for each
I. OWNERSHIP OF TANK(S)		II. LOCATION OF TANK(S)	·
Commer Name (Corporation individual Public Agency, or Other Entity)  Salt River Project  Street Address  P. O. Box 52025	Nava	id same as Section: —an bor here in company Site boethier; as applicable  jo Generating Statio  O for not acceptable:  les East of Page, AZ	
City State ZIP Code	<u> </u>	Crain	2 a coce
Phoenix AZ 85072	Page	e ÄZ	8604
Maricopa	Counti	onino	rt.
Prone humber impulse. Area Code! (602) 236-5900	Give the peographic 12 N Long 85 24 1	rocation of taries if required by State by degrees, minutes, and a riv. 40N 09E Sec. 5 Longitude_	

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FAC.ID#	ł	

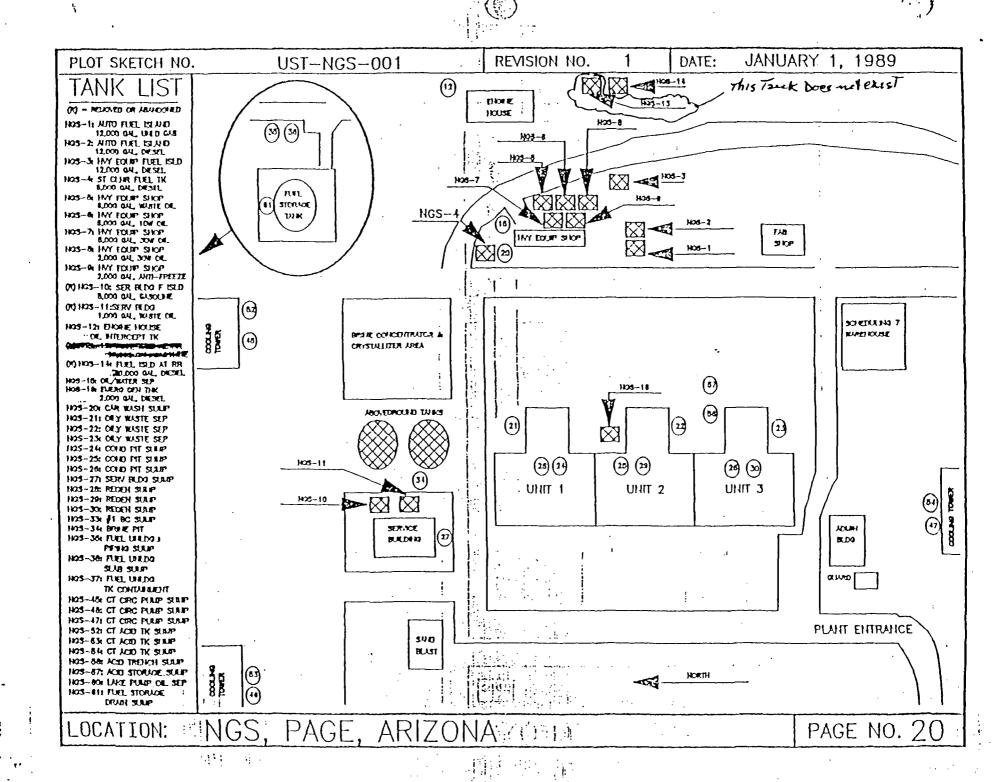
# NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHIET

1.	Draw a facility map ident	ifying the	tanks and assoc	iated piping,
	include major structures	(buildings,	roads, etc.).	Indicate North on
	your drawing.			

		<del> </del>			<del></del>	
. Do y	ou have any	additional co	mments? <u>Au</u>	Truks (	(157) have	re been
		This Freility				
NE	5-13 wes	reported 6	or did m	ot exist	- NES-	-14 bour

To be a 20,000 gallon instead of 10,000 gallon

ADEQ/UST Supp.



III. TYPE O	FOWNER	IV. INDIAN LANDS			
☐ Federal Gov't. ☐ State Government	☐ Commercial ☐ Private	Tanks are located on land within an I Reservation or on other trust lands.  Tanks are owned by native American	☑	Tribe or Nation: Navajo	
☑ Local Government		tribe, or individual			
		V. TYPE OF FACILITY			
Select the Appropriate Fa	cility Description				
Gas Station	,	Local Covernment	Camtra		
Gas Station		Local Government State Government	Contra	ctor ng/Transport	
Air Taxi (Airli		Federal - Non-Military	ridekii		
Aircraft Own	·	Federal - Military	Reside		
Auto Dealers	_	Commercial	Farm	THE THE THE THE THE THE THE THE THE THE	
Railroad		Industrial		(Explain)	
	_			(Explain)	
	VI. CONT	FACT PERSON IN CHARGE OF TANK	S		
Name	Job Title	Address	Phon	e Number (Include Area Code)	
		Navajo Generati:	ng Stati	on (602) 645-881	
Greq Benjamin	Supervisor, E	_			
	VI	I. FINANCIAL RESPONSIBILITY			
		ancial responsibility requirements in 40 CFR Subpart H			
Check All that Apply					
Self Insurance		Guarantee	Sta	te Funds	
Commercial Insu	rance	Surety Bond	st Fund		
Risk Retention G	roup	Letter of Credit Other Method Allowed S			
	1				
	i				
	VIII. CERTIFICATI	ION (Read and sign after completing al	sections)		
I certify under penalty of la documents, and that bases submitted information is tru	d on my inquiry of those in	xamined and am familiar with the inform dividuals immediately responsible for o	nation submitt btaining the in	ed in this and all attached intormation, I believe that the	
Name and official title of ov or owner's authorized repre	- 3	ature Sun I law	,	Date Signed	
Luy Leary, mana	ver,			11/0-17/	
gathering and maintaining Chief, Information Policy B	the data needed and comp ranch PM-223, U.S. Environ EPA." This form amends t	o average 30 minutes per response inc pleting and reviewing the form. Send of onmental Protection Agency, 401 M Str the previous notification form as printed upplies last.	omments regareet, Washing	ording this burden estimate to ton D.C. 20460, marked	

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)						
Tank Identification Number	Tank No. NGS11	Tank No. NGS14	Tank No. NGS1 Frank No.	Tank No		
Status of Tank						
(mark only one) Currently in Use Temporarily Out of Use						
(Remember to the out section IX.)						
Permanently Out of Use	x	x	x			
Amendment of Information						
2. Date of Installation	1971	1972	1978			
3. Estimated Total Capacity (gallons)	2,000	20,000	2,000			
4. Material of Construction						
(Mark all that apply)						
Asphault Coated or Bare Steel	х	Х	х			
Cathodiacally Protected Steel	x	x	x			
Epoxy Coated Steel						
Composite (Steel with Fiberglass)						
Fiberglass Reinforced Plastic						
Lined Interior						
Double Walled						
Polyethylene Tank Jacket						
Concrete						
Excavation Liner						
Unknown						
Other, Please Specify						
Has tank been repaired?	No	No	No			
5. Piping (Material)			!!!			
(Mark all that apply) Bare Steel Galvanized Steel						
Fiberglass Reinforced Plastic						
Copper						
Cathodically Protected	x	x	x			
Double Walled						
Secondary Containment						
Unknown						
	W.z.z.z.d	Wrappod	Wrapad			
Other, Please Specify	Wrapped steel	Wrapped steel	Wrappedsteel			
6. Piping (Type) (Mark all that apply)						
Suction: no valve at tank						
Suction: valve at tank	×	y				
Pressure						
Gravity Fed						
Has piping been repaired?	<u> </u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·			

Tank Identification Number	Tank No. NGS 1 Tar	nk NoNGS14	Tank No. NGS	1 6 ank No	Tank No
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please Specify  Hazardous Substance CERCLA name and/or, CAS number	x	x	x		
Mixture of Substances Please Specify					
×	TANKS OUT OF USE,	OR CHANGE	IN SERVICE		
A. Estimated date last used		_/1/77	9/16/91		
(mo./day/year)				,	
C. Tank was removed from ground  D. Tank was closed in ground  E. Tank filled with inert material  Describe  F. Change in service	X	x	x		
2. Site Assessment Completed	x	<u>x</u>	IN Prograess		
Evidence of a leak detected	No N	0	No		

Tank Identification Number	Tank NNGS11	Tank Ne GS14	Tank No GS16	Tank No	Tank No
A. Installer certified by tank and piping manufacturers  B. Installer certified or licensed by the implementing agency  C. Installation inspected by a registered engineer  D. Installation inspected and approved by implementing agency  E. Manufacturer's installation checklists have been completed  F. Another method allowed by State agency. Please specify.	x	x	x		
2. Release Detection (Mark all that apply)  A. Manual tank gauging  B. Tank tightness testing  C. Inventory controls  D. Automatic tank gauging  E. Vapor monitoring  F. Groundwater monitoring  G. Interstitial monitoring double walled tank/piping  H. Interstitial monitoring/secondary containment  I. Automatic line leak detectors  J. Line tightness testing  K. Other method allowed by Implementing Agency. Please Specify.	TANK PIPING	TANK PIPING	TANK PIPING  X X X X X X X X X X X X X X X X X X	TANK PIPING	TANK PIPIN
3. Spill and Overfill Protection  A. Overfill device installed  B. Spill device installed  OATH: I certify the the information concerning installer:  Loug Leory Name MANAGER - MMS x  Position		U.	10 /10	Dest of my belief a	nd knowledge.  11/2-/9  Date  project,

#### Tank Release Report

Facility Name: Navajo Generating Station

Date: November 22, 1991

Location: Page, Arizona

Tank Designation: NGS-16

Contents and Capacity: 2,000 gallon diesel fuel

Nature of Release: Spills and overfills.

Regulated Substance Released: Diesel fuel.

Quantity of Release: Unknown.

Period of Time Over Which Release Occurred: Unknown.

#### Action Taken (as of Report Date):

The tank and surrounding soils were excavated and removed on September 12, 1991 and the soils stockpiled on site. During tank removal, soil samples were collected from beneath the northeast, and southwest ends of the tank at an approximate depth of 10 feet below grade. An additional sample was collected from beneath the center of the tank at approximately 8 feet below grade. The soil samples were submitted for TPHC analysis by EPA Method 418.1 and Fuel Fingerprint analyses by EPA Method 8015M.

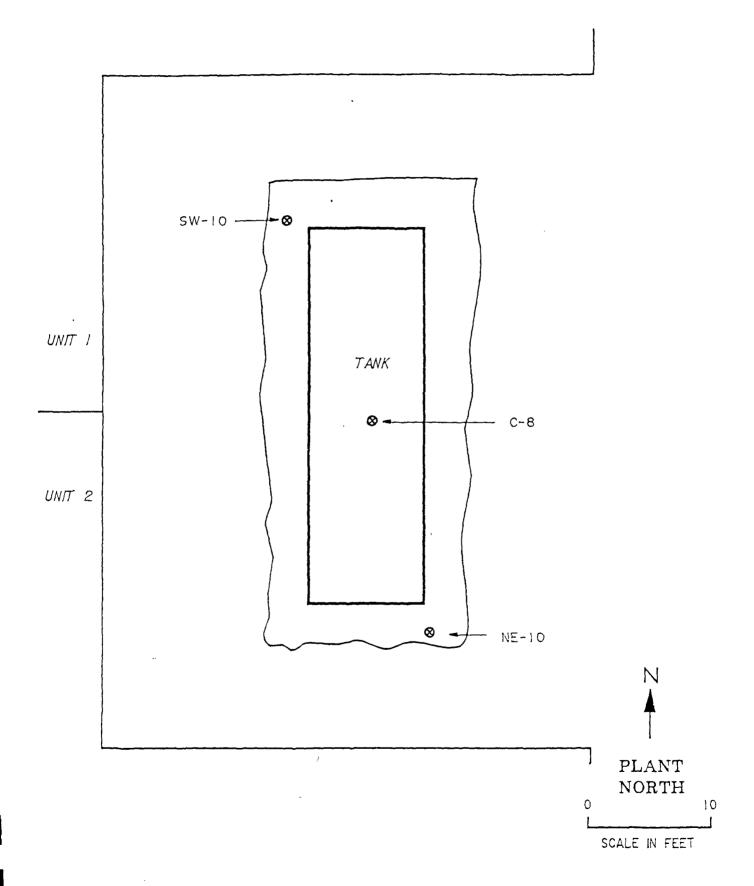
Soil samples collected from immediately beneath the tank detected levels of petroleum contamination ranging from 540 to 7900 mg/kg TPHC. Fuel fingerprint analyses confirm the level of contamination and identify the source as a diesel fuel.

The tank was tested tight on November 25, 1987. No visible signs of tank failure were observed upon tank removal. Based on these observations and the soil sampling results, it is concluded that the observed soil contamination resulted from spillage or overfilling during the operational life of the tank. The vertical extent of contamination has not been positively verified, however, the tank was resting on sandstone of the Carmel Formation. Due to the relatively impermeable nature of the Carmel Formation, it is concluded that the underlying sandstone layer forms a barrier to the migration of any product released.

### Action Anticipated:

None. The tank and the contaminated soils have been removed, and it has been concluded that the underlying sandstone formed a barrier to product migration. Since it is unlikely that samples could successfully be collected from the underlying sandstone for analysis, no further action is recommended.

## FIGURE 15 NGS-16



Page 1 Received:	09/13/91	SRP WQ L		REPORT 12:19:08	¥	ork Order # 91-09-034
10	SALT RIVER PROJECT HILDA MARCHETTI SRP		PREPARED - BY -			- E.H.
			ATTEN _ PHONE			CERTIFIED BY  CONTACT MCKINNEY
COMPANY	SPECIALS SRP		-			
WORK ID TAKEN TRANS TYPE	NGS UST REMOVALS MICHAEL VODA N90-48731-02 71340			÷		
P.O. 1 INVOICE	under separate cov	er				
01 NGS ED 02 NGS ED	IDENTIFICATION 6 A 6 F 6 C	FUELFI	P FUEL FING		···	n this workorder

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k	PC	P	iv	ed:	09/	13/9

SRP WQ LAB

REPORT

Work Order # 91-09-034

SAMPLE ID NGS EDG A

Results by Sample

FRACTION <u>01B</u> TEST CODE <u>FUELFP</u> NAME <u>FUEL FINGERPRINT</u> Date & Time Collected 09/12/91 10:00:00

Category ____

#### FUEL FINGERPRINT

SAMPLE ID		NGS	ED6 A
DATE RUN		09	/18/91
MATRIX			SOIL
ANALYST		D.W.MC	KINNEY
		RESULT	UNITS
6A	SOL I NE	BDL	PPN
DI	ESEL	7100	PPM
FU	EL OIL	BDL	PPM
KE	ROSENE	BDL	PPH
LUBR	ICATING DIL	RDL	PPM

BDL=Below Detection Limit

Detection limit= 100 ppm

Comments:

Signature Mckinney)

Page 4	SRP WQ LAB	REPORT	Nork Order # 91-09-034
Received: 09/13/91	Results by Sample		
SAMPLE ID NGS EDG B	SAMPLE # 02 FRACTIONS: A		
Date # Time Collected 09/12/91 10:00:00 Category			

! TPHC___

MB\K8

Page	7 -	
Rece	ıved:	09/13/9

SRP WQ LAB

REPORT

Work Order # 91-09-034

SAMPLE ID NGS EDG B

Results by Sample

FRACTION 02B TEST CODE FUELFP NAME FUEL FINGERPRINT Category ____

Date & Time Collected 09/12/91 10:00:00

FUEL FINGERPRINT

SAMPLE ID	NGS EDG B
DATE RUN	09/18/91
MATRIX	SOIL
ANALYST	D.W.MCKINNEY

	RESULT	UNITS
GASOLINE	BDL	PPM
DIESEL	340	PPM
FUEL OIL	BDL	PPN
KEROSENE	BDL	PPH
LUBRICATING DIL	BDL	PPM

BDL=Below Detection Limit

Detection limit= 100 ppm

Comments:

Signature Mc/mney/LJ

: TPHC___

540 MG/KG

Fage 9	
Received:	09/13/91

SRP NO LAB

REPORT

Work Order # 91-09-034

SAMPLE ID NGS EDG C

Results by Sample

FRACTION 03B TEST CODE FUELFP NAME FUEL FINGERPRINT

Date & Time Collected 09/12/91 10:00:00

#### FUEL FINGERPRINT

SAMPLE ID  DATE RUN  MATRIX  ANALYST	09	SEDG C 7/18/91 SOIL CKINNEY
	RESULT	UNITŜ
GASOL INE	BDL	PPM
DIESEL	530	PPM
FUEL DIL	BDL	PPM
KEROSENE	<u> </u>	PPM
LUBRICATING OIL	RDI	PPM

BDL=Below Detection Limit

Detection limit= 100 ppm

Comments:

Signature D. Mckmney 15

## SRP

Salt River Project

CHAIN OF CUSTODY RECORD/TRANSMITTAL

Post Office Box 52025 Phoenix, Arizona 85072-2025

ENVIRONMENTAL SERVICES DEPARTMENT LAB & FIELD SERVICES DIVISION (602) 236-2609

Page of

Project: Charge No: 0134.)					No of		FIE	LD DAT	A			AXALT:	is	
NGS UST ELMOUN	_5			6-48731-2	,c	FLOW	NO3	TEMP	ΕC	pH	11			
Project Manager/Contact:  M. C. LALL JOD! DE NIN	5 Shirley	Phone: X3142		Center:	0 n		/ N	• c			72.12			
Sampler(s) Signature					t a i n	GPH					SHC			
Sample ID	Date Collected Co	Time Ulected	Matrix	Lab ID No.	r s						The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			
NGS EDG A	1256971 10	000 3	SMO	91-09-034	1			20%						
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Relinquished By: (signature)	Date Time		ed By: (sign			Date	Time							
Relinquished By: (signature)	Date Time	Receive	ed By: (sign	nature)		Date	Time	•						

Notification for Underground Storage Tanks		STATE USE ONLY				
State Agency Name and Address		ID NUMBER	ID NUMBER			
ARIZONA DEPARIMENT OF ENVIRONMENTAL QUALITY		DATE RECEIVED				
TYPE OF NOTIFICATION		A. Date Entered Into Computer				
☐ A. NEW FACILITY ☑ B. AMENDED ☑ C.	CLOSURE	B. Data Entry Clerk Initials				
No. of tanks at facilityNo. of continuation shee	ts attached	C. Owner Was Contacted to				
INSTRUCTIONS		Clarify Responses. Comments				
Please type or print in ink all items except "signature" in section must be completed for each location containing underground stora more than five (5) tanks are owned at this location, photocopy the sheets, and staple continuation sheets to the form.						
GENERAL IN	FORMATIC	ON				
Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1984, that are in the ground as of May 8, 1985, or that are brought into use after May 8, 1986. The Information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.  The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or in the absence of such records, your knowledge, belief, or recollection.  Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—  a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and b) in the case of any underground storage tank in use before November 8, 1984, but no longer is use on that date, any person who owned such tank immediately before the discontinuation of its use.  c) if the State agency so requires, any facility that has undergone any changes to tacility information or tank system status.  What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground tanks storing: 1. Gasoline, used oil, or diesel fuel, and 2, industnal solvents, pesticides.  Next Tanks Are Excluded?  Other tanks excluded from notification are:  1. tarm or residential tanks of 1,100 gallions or less capacity used for storing motor fuel for noncommercial purposes;  2. tanks used for storing heating oil for consumptive use on the premis	Pipeline Satety which is an intr 5. surface in 6. storm was 7. flow-through the surface of the following surface of the following substance delike Environmental the exception of RCRA. It also in liquid at standard 14.7 pound where To AZ Depart 2005 N. Phoenix, when taken out by May 8, 1986, must require so notific immediately.  Penalties: information si	facilities (including gathering lines) regulated under the Act of 1968, or the Hazardous Liquid Pipeline Safety rastate pipeline facility regulated under State laws: impoundments, pits, ponds, or lagoons; after or waste water collection systems; bugin process tanks; and or associated gathering lines directly related to oil digathering operations: tanks situated in an underground area (such as a bas drift, shaft, or tunnel) if the storage tank is situate upor floor.  In stances are Covered? The notification requirements e tanks that contain regulated substances. This includes has hazardous in section 101 (14) of the Comprehal Response, Compensation and Liability Act of 1980 (of those substances regulated as hazardous waste unincludes petroleum, e.g., crude oil or any fraction ther and conditions of temperature and pressure (60 degred of sper square inch absolute).  Notity? Send completed forms to:  Timent of Environmental Qual Central Avenue, Room 300, Arizona 85004  Notity? 1. Owners of underground storage tanks in ust of operation after January 1, 1974, but still in the groof, 2. Owners who bring underground storage tanks in ust of operation after January 1, 1974, but still in the groof, 2. Owners who bring underground storage tanks in out of operation after January 1, 1974, but still in the groof, 2. Owners who bring underground storage tanks in ust of operation after January 1, 1974, but still in the groof, 2. Owners who bring underground storage tanks in ust of operation after January 1 and 1974, but still in the groof, 2. Owners who bring underground storage tanks in ust of operation after January 1 and 1974, but still in the groof, 2 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3 and 3	se or that have bund, must notify to use after May if the State to State agency with talse 0,000 for each			
I. OWNERSHIP OF TANK(S)	· .	II. LOCATION OF TANK(S)				
Owner Name (Corporation, Individual: Public Agency, or Other Emily)  Salt River Project  Street Address  P. O. Box 52025	Nava	In same as Section: —an box nere ]  Company Site Gentimer, as accidance  jo Generating Station  O Box not acceptable:  les East of Page, AZ				
City State ZIP Code						
Phoenix AZ 85072	°n Page	e AZ	25 500e 8604			
Maricopa	Coum	Onino Municipanty				
Prone Number (170ude Avea Cooe) (602) 236-5900	Give the geographic i	location of tanks if required by State by degrees, minutes, and seconds E. 7w. 40N 09E Sec. 5 Longitude	vamoies Lat 42 36			

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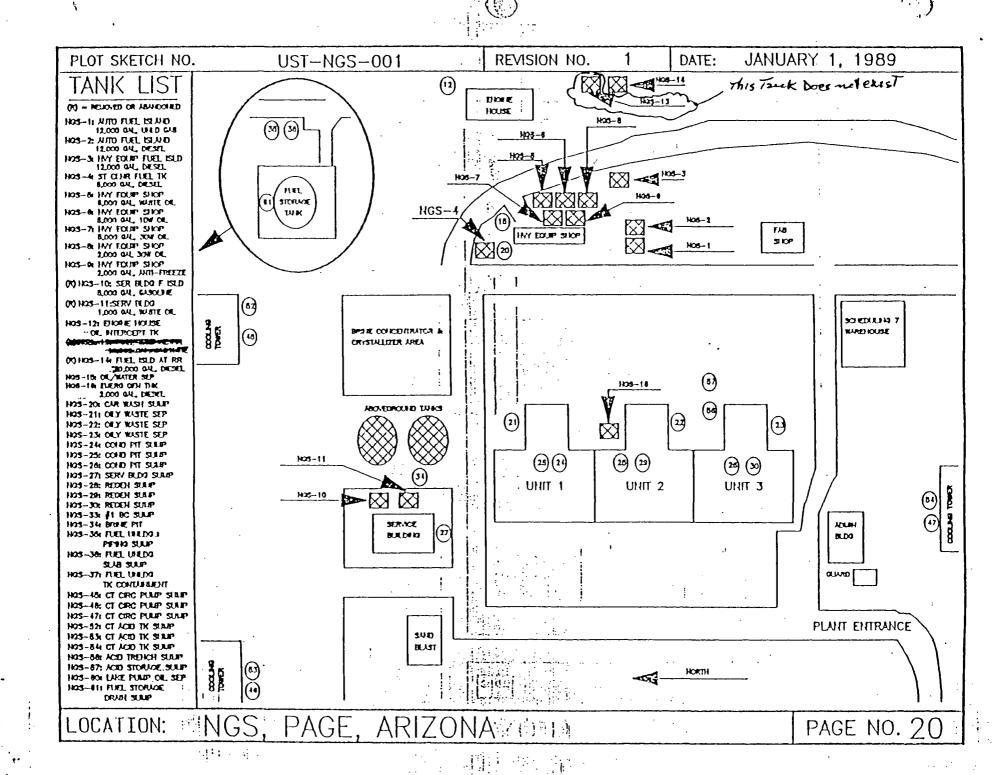
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# NOTIFICATION FOR UNDERGROUND STORAGE TANKS ARIZONA SUPPLEMENTAL INFORMATION SHEET

 Draw a facility map identifying the tanks and associated piping, include major structures (buildings, roads, etc.). Indicate North on your drawing.

2. Do you have any additional comments? <u>All Truks (UST)</u> have been temoved AT This Facility 
NES-13 was reported but did not exist - NES-14 found
To be a 20,800 gallon instead of 10,000 gallon

ADEQ/UST Supp.



III. TYPE OF OWNER	IV. INDIAN LANDS					
☐ Federal Gov't. ☐ Commel ☐ State Government ☐ Private ☐X Local Government	Tanks are located on land within an Indian Reservation or on other trust lands.  Tanks are owned by native American nation, tribe, or individual					
	V. TYPE OF FACILITY					
Select the Appropriate Facility Description						
Gas Station	Local Government Contractor					
Petroleum Distributor	State Government Trucking/Transport					
Air Taxi (Airline)	Federal - Non-Militaryx_ Utilities					
Aircraft Owner	Federal - Military Residential					
Auto Dealership	Commercial Farm					
Railroad	Other (Explain)					
VI.	CONTACT PERSON IN CHARGE OF TANKS					
Name Job Title	Address Phone Number (Include Area Code)					
	Navajo Generating Station (602) 645-881					
Greq Benjamin Superviso	r, Engineering					
	VII. FINANCIAL RESPONSIBILITY					
	the financial responsibility requirements in with 40 CFR Subpart H					
Check All that Apply						
Self Insurance	Guarantee State Funds					
Commercial Insurance	Surety Bond Trust Fund					
Risk Retention Group	Letter of Credit Other Method Allowed Specify					
ļ						
i						
VIII. CERTIF	FICATION (Read and sign after completing all sections)					
	nally examined and am familiar with the information submitted in this and all attached ose individuals immediately responsible for obtaining the information, I believe that the applete.					
Name and official title of owner or owner's authorized representative (Print)	Signature Date Signed					
Loug Leary, MANAGER	May 2 lan 11/22/51					
gathering and maintaining the data needed and Chief, Information Policy Branch PM-223, U.S.	form to average 30 minutes per response including time for reviewing instructions, d completing and reviewing the form. Send comments regarding this burden estimate to Environmental Protection Agency, 401 M Street, Washington D.C. 20460, marked ends the previous notification form as printed in 40 CFR Part 280, Appendix I. Previous hile supplies last.					

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)							
Tank Identification Number	Tank No. NGS1	Tank No.NGS14	Tank No. NGS1	Etank No	Tank No		
Status of Tank (mark only one) Currently in Use Temporarily Out of Use							
(Remember to Mi out section IX.) Permanently Out of Use		x	x				
(Remember to fill out section IX.)	)						
Amendment of Information							
2. Date of Installation	1971	1972	1978	T. 20 Y 20 Y 20 Y 20 Y 20 Y 20 Y 20 Y 20			
3. Estimated Total Capacity (gallons)	2,000	20,000	2,000				
4. Material of Construction	•						
(Mark all that apply)							
Asphault Coated or Bare Steel		X	X				
Cathodiacally Protected Steel		X	X				
Epoxy Coated Steel							
Composite (Steel with Fiberglass)							
Fiberglass Reinforced Plastic Lined Interior							
Double Walled							
Polyethylene Tank Jacket							
Concrete							
Excavation Liner							
Unknown							
Other, Please Specify							
Has tank been repaired?	No	No	No				
5. Piping (Material) (Mark all that apply)  Bare Steel	<u> </u>						
Galvanized Steel	<del></del>						
Fiberglass Reinforced Plastic							
Copper							
Cathodically Protected	x	x	x				
Double Walled							
Secondary Containment							
Unknown							
Other, Please Specify	Wrapped	Wrapped	Wrapped				
	<u>steel</u>	<u>steel</u>	<u>steel</u>				
6. Piping (Type) (Mark all that apply)							
Suction: no valve at tank							
Suction: valve at tank	х	x	X				
Pressure							
Gravity Fed							
Has piping been repaired?							

Tank Identification Number	Tank No. NGS	1 Tank NoNGS1	Tank No. NGS	1 Gank No	Tank No			
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please Specify	x	x	x					
Hazardous Substance CERCLA name and/or, CAS number								
Mixture of Substances Please Specify								
X. TANKS OUT OF USE, OR CHANGE IN SERVICE								
Closing of Tank     A. Estimated date last used     (mo./day/year)	1/1/77	1/1/77	9/16/91					
B. Estimate date tank closed (mo./day/year)	1/1/77	1/1/77	9/16/91					
C. Tank was removed from ground  D. Tank was closed in ground	x	x	х					
E. Tank filled with inert material  Describe								
F. Change in service								
2. Site Assessment Completed	x	x	IN Propriess					
Evidence of a leak detected	No	No	No					

Tank Identification Number	Tank NNGS11	Tank Ne GS14	Tank Ne GS16	Tank No	Tank No
Installation     A. Installer certified by tank and					
piping manufacturers  B. Installer certified or licensed by the implementing agency					
C. Installation inspected by a registered engineer	х	x	x		
<ul> <li>D. Installation inspected and approved by implementing agency</li> </ul>					
<ul> <li>E. Manufacturer's installation check- lists have been completed</li> </ul>					
<ul> <li>F. Another method allowed by State agency. Please specify.</li> </ul>					
2. Release Detection (Mark all that apply)	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPIN
A. Manual tank gauging			x		
B. Tank tightness testing			x		
C. Inventory controls					
D. Automatic tank gauging					
E. Vapor monitoring     F. Groundwater monitoring					
G. Interstitial monitoring double walled tank/piping					
H. Interstitial monitoring/secondary containment					
Automatic line leak detectors					
J. Line tightness testing					
K. Other method allowed by Implementing Agency. Please Specify.			<u>x</u>		
3. Spill and Overfill Protection					
A. Overfill device installed					<u> </u>
B. Spill device installed					
DATH: I certify the the information concernin	g installation that is	s provided in section	on X is true to the b	pest of my belief a	and knowledge.
nstaller: <u>Luy Leory</u>		Seames &	2 Lean	<u>,                                     </u>	11/24/8
Mame ′	HUAR OESKA	/5	ignature	T RIVER	prover.